ABBF	REVIATIONS	,			
AC	Air Conditioning	EIFS	Exterior Insulation,	OC	On Center
AFF	Above Finish Floor		& Finish System	OPP	Opposite
ALT	Alternate	FT	Feet	OD	Outside Diameter
APPROX	Approximate	FLR	Floor	OA	Overall
ARCH	Architect	FIN FLR	Finish Floor	OH DR	Overhead Door
BD	Board	FE	Fire Extinguisher	PR	Pair
BRG	Bearing	FIN	Finish	PERP	Perpendicular
BLKG	Blocking	FD	Floor Drain	PLAM	Plastic Laminate
BLDG	Building	FR	Frame	PL GL	Plate Glass
BOT	Bottom	FTG	Footing	PLBG	Plumbing
CLG	Ceiling	FDTN	Foundation	PREFAB	Prefabricate
CL	CenterLine	GA	Gage	PL	Property Line
CO	Cleanout	GALV	Galvanize	REFR	Refrigeration
CONC	Concrete	GI	Galvanized Iron	REINF	Reinforce
CONF	Conference	GLU-LAM	Glue Laminated	REQD	Required
CONSTR	Construction	GYP BD	Gypsum Board	RD	Roof Drain
CONT	Continue	HDW	Hardware	SCHED	Schedule
CONTR	Contractor	HC	Handicap	SIM	Similar
CJ	Control Joint	HVAC	Heating Ventilation	SPEC	Specification
COORD	Coordinate	UODIZ	& Air Conditioning	SQ	Square
CORR	Corridor	HORIZ	Horizontal	STD	Standard
CSK	Countersunk	HM	Hollow Metal	STRUCT	Structural
COMM	Communication	ID	Inside Diameter		Suspended Ceiling
CIP	Cast in Place	INT	Interior	THK	Thick
CMU	Concrete Masonry	ISO	Isometric	T&G	Tongue and Groove
_	Unit	JAN	Janitor	TO	Top Of
DEM0	Demolition	KOP	Knockout Panel	TOB	Top of Beam
DIAG	Diagonal	KD	Knock Down	TOS	Top of Slab
DIA	Diameter	LAB	Laboratory	TOW	Top of PARTITION
DIM	Dimension	LAV	Lavatory	XFMR	Transformer
DN	Down	MAINT	Maintenance	TYP	Typical
DS	Downspout	MH	Manhole	UNO	Unless Noted
DWG	Drawing	MFR	Manufacturer		Otherwise
ELEC	Electric	MO	Masonry Opening	VTR	Vent Through Roof
EL	Elevation	MAX	Maximum	VERT	Vertical
ELEV	Elevator	MECH	Mechanical	VEST	Vestibule
EQ	Equal	MEZZ	Mezzanine	VCT	Vinyl Composition Tile
EQUIP	Equipment	MIN	Minimum	WC	Water Closet
EXIST	Existing	MISC	Miscellaneous	WH	Water Heater
EXP	Expansion	NOM	Nominal	WWF	Welded Wire Fabric
EJ	Expansion Joint	NIC	Not In Contract	W/	With
			NOT IT CONTRACT	**/	
SEE PL		NO NTS OLS NICAL AND	Number Not to Scale ELECTRICAL FO	R DISCIPL	INE SYMBOLS
EWC GENE	Electric Water Cooler ERAL SYMB UMBING, MECHA SHEET NUM Sheet Num Sheet Type	NO T NTS OLS NICAL AND MBER Sher Sequence	Number Not to Scale ELECTRICAL FO	GRID RE GRID RE A1 Sta Numbe	INE SYMBOLS EFERENCE MARK rts at lower left corner or Horizontal
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Year

2001

SPACE AND EXISTING S-2 SPACE.

SPACE SHALL BE TOTALLY SPRINKLERED AS PART OF EXISTING BUILDING SYSTEM

UPGRADED 2HR SEPARATION BETWEEN NEWLY REMODELED A-3

Della Center

PROJECT DATA

International Building Code:

International Mechanical Code:

REMODELED SPACE (1ST STORY)

International Plumbing Code:

American Disability Act:

Model Energy Code:

Construction

National Electrical Code:

Occupancy Separation

VICINITY MAP

W 100 S

W 200 S

APPROVALS

Applicable Codes:

BOARD OF REGENTS CONFERENCE CENTER DFCM

60 SOUTH 400 WEST SALT LAKE CITY, UTAH

INDEX TO DRAWINGS - CONSTRUCTION DOCUMENTS

GENERAL FIRE PROTECTION COVER SHEET FX101 FIRE PROTECTION FLOOR PLAN FX501 FIRE PROTECTION NOTES & DETAILS DEMOLITION DEMO FLOOR & REF. CEILING PLAN PLUMBING LIGHTING AND POWER DEMO PLANS PL101 PLUMBING FLOOR PLANS & ENLARGED PLANS PL501 PLUMBING SCHEDULES & DETAILS STRUCTURAL GENERAL STRUCTURAL NOTES SF101 FLOOR PLAN MECHANICAL MECHANICAL FLOOR PLAN **ARCHITECTURAL** MECHANICAL SCHEDULES & DETAILS AE101 FLOOR & REF. CEILING PLAN MH502 MECHANICAL DETAILS BUILDING SECTIONS FINISH SCHEDULE & LEGENDS TOIL RM. PLANS & INTERIOR ELEV. NOTES & SYMBOLS SCHEDULES CONOPY AND RECEPTION DESK LEVEL P3 LIGHTING & POWER PLANS DETAILS LEVEL P5 POWER PLANS PARTITION TYPES SCHEDULE & EX501 ONE LINE DIAGRAM & PANEL SCHED.

REMODELING NOTES

W South Temple

W 100 S

W 200 S

DETAILS

AE601 DOOR AND WINDOW LEGENDS

1. WARNING: THE CONTRACTOR MUST FOLLOW THE STRUCTURAL ENGINEERS PROCEDURE FOR SCANNING OF CEILING AND FLOOR SLABS OF THIS BUILDING PRIOR TO ANY AND ALL PENETRATIONS.

2. CUTTING AND DRILLING OF STRUCTURAL MEMBERS NOT DETAILED REQUIRES THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.

3. CONTRACTOR TO PROVIDE SHORING AND BRACING, AS REQUIRED, TO SUPPORT EXISTING CONSTRUCTION.

4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE SUBMITTING A BID OR PROCEEDING WITH ANY PORTIONS OF THE WORK.

5. WHENEVER QUESTIONS ARISE OR CONDITIONS ARE ENCOUNTERED WHICH ARE NOT COVERED BY OR ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS, CONSULT THE ARCHITECT PRIOR TO TAKING ANY FURTHER ACTION.

6. ALL CONSTRUCTION ACTIVITY IS TO BE CONTAINED WITHIN CONSTRUCTION BARRIERS ALLOWING FOR PROTECTED EGRESS FROM

16. AFTER WORK OF THIS CONTRACT IS COMPLETED, CLEAN EXISTING THE BUILDING THROUGH THE FRONT DOORS AND PARKING STRUCTURE DOORS.

7. AREAS OF WORK OCCURING IN PATHS OF EGRESS TO BE COMPLETED BETWEEN THE TIMES OF 6:00PM TO 6:00AM.

8. THE CONTRACTOR SHALL COORDINATE PHASING OF THE WORK WITH THE OWNER AND ARCHITECT TO MEET THE OWNERS SCHEDULE.

9. SUPPORT AND PROTECT EXISTING UTILITIES, SERVICES, FIRE ALARM SYSTEMS, FIRE PROTECTION SYSTEMS, SOUND SYSTEMS, AND INTERCOM SYSTEMS DURING CONSTRUCTION. MOVE WHERE REQUIRED. NEW FIXTURE LOCATIONS TO BE LOCATED BY ARCHITECT.

10. ANY CONSTRUCTION ELEMENTS REQUIRING PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE PROPERLY INSTALLED AND PATCHED TO MAINTAIN THE FIRE RATING.

11. MASONRY AND CONCRETE AREAS TO BE DEMOLISHED ARE TO BE SAW CUT FOR A CLEAN FINISHED LOOK.

12. ALL DEMOLISHED OR REMOVED EXISTING MATERIAL SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

13. EXISTING ITEMS & CONSTRUCTION TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL REPAIR OR REPLACE EXISTING CONSTRUCTION DAMAGED BY DEMOLITION OR NEW CONSTRUCTION. MATCH EXISTING SURFACE FINISH OR MATERIAL WHERE APPLIES.

14. PAINT ALL EXISTING WALLS WHERE EFFECTED BY DEMOLITION AND NEW CONSTRUCTION.

15. ALL SPRINKLER HEADS TO BE REARRANGED TO FIT NEW CEILING LAYOUTS.

AREAS EFFECTED BY THE WORK TO THE OWNERS SATISFACTION.

CONSULTANTS

STRUCTURAL

REAVELEY ENGINEERS Fax: 801.485.0911

MECHANICAL

OLSEN & PETERSON ENGINEERS 14 east 2700 South, #100 Salt Lake City, Utah 84115 Phone: 801.486.4646 Fax: 801.467.2531

ELECTRICAL

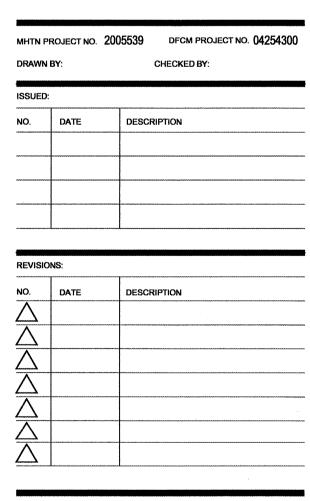
JAMES D. GRAHAM & ASSOC. 102 WEST 500 SOUTH, SUITE 225 SALT LAKE CITY, UTAH 84101 PHONE: (801) 328-8800 FAX: (801) 328-8802



MHTN ARCHITECTS, INC. 420 East South Temple Suite 100 Salt Lake City, Utah 84111 Telephone (801) 595-6700

Telefax (801) 595-6717

www.mhtn.com



DENNIS H.

CECCHINI

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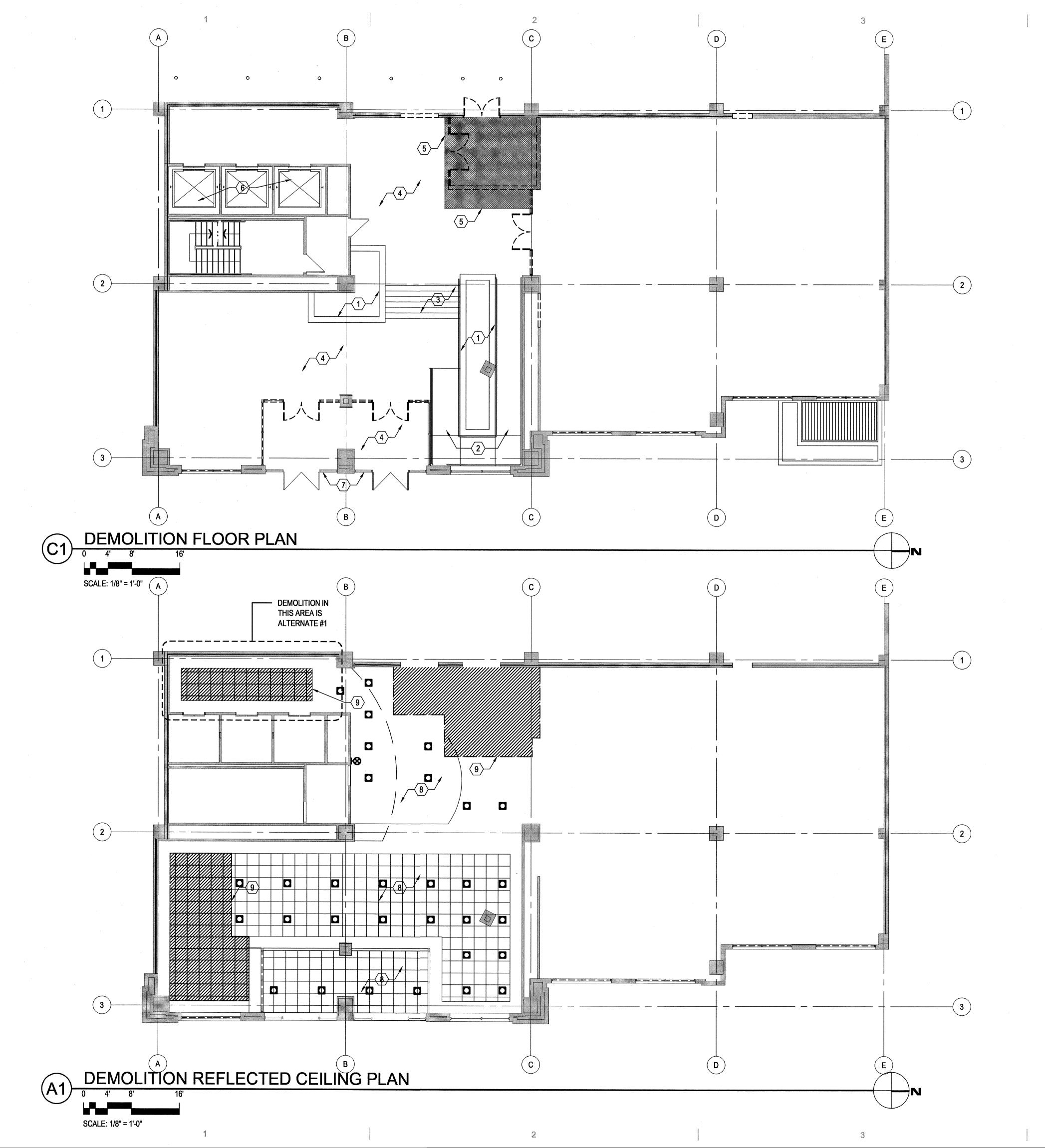
SHEET INDEX AND GENERAL INFORMATION

SEPTEMBER 15, 2005

WOOD & **BLOCKING**

INSULATION

1515 South 1100 East Salt Lake City, Utah 84105 Phone: 801.486.3883



LEGEND

EXISTING BUILDING ELEMENTS TO REMAIN

EXISTING BUILDING ELEMENTS TO BE REMOVED.

EXISTING DOOR TO BE REMOVED

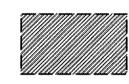
EXISTING DOOR TO REMAIN

EXISTING WINDOW TO BE REMOVED

EXISTING WINDOW GLAZING TO BE REMOVED & REPLACED. EXISTING MULLIONS TO REMAIN. SEE SHEET



AREA OF EXISTING FLOOR FINISH TO BE REMOVED



AREA OF EXISTING CEILING FINISH TO BE REMOVED

DEMO. GENERAL NOTES

1. EXISTING FLOOR FINISHES AND CEILING FINISHES ARE TO BE DEMOLISHED ONLY WHERE INDICATED ON PLANS AND WHERE FINISH SCHEDULE CALLS FOR NEW FINISHES IN PLACE OF EXISTING.

2. CONTRACTOR TO DEMOLISH BALCONY LEVEL DOORS (NOT SHOWN) FROM ELEVATOR LOBBY TO PARKING STRUCTURE

DEMOLITION KEYNOTES

- (1) EXISTING PLANTER TO REMAIN
- (2) EXISTING RAMP TO REMAIN
- (3) EXISTING STAIRS TO REMAIN
- 4 EXISTING FLOOR FINISH TO REMAIN
- LIMIT LINE OF FLOORING DEMO
 COORDINATE W/ CONSTR. DIMENSIONS
- (6) EXISTING ELEVATORS TO REMAIN
- 7 EXISTING WINDOW SYSTEM TO REMAIN
- 8 EXISTING CEILING SYSTEM TO REMAIN
- 9 LIMIT LINE OF CEILING DEMO



MHTN ARCHITECTS, INC.

420 East South Temple Suite 100 Salt Lake City, Utah 84111 Telephone (801) 595-6700 Telefax (801) 595-6717 www.mhtn.com

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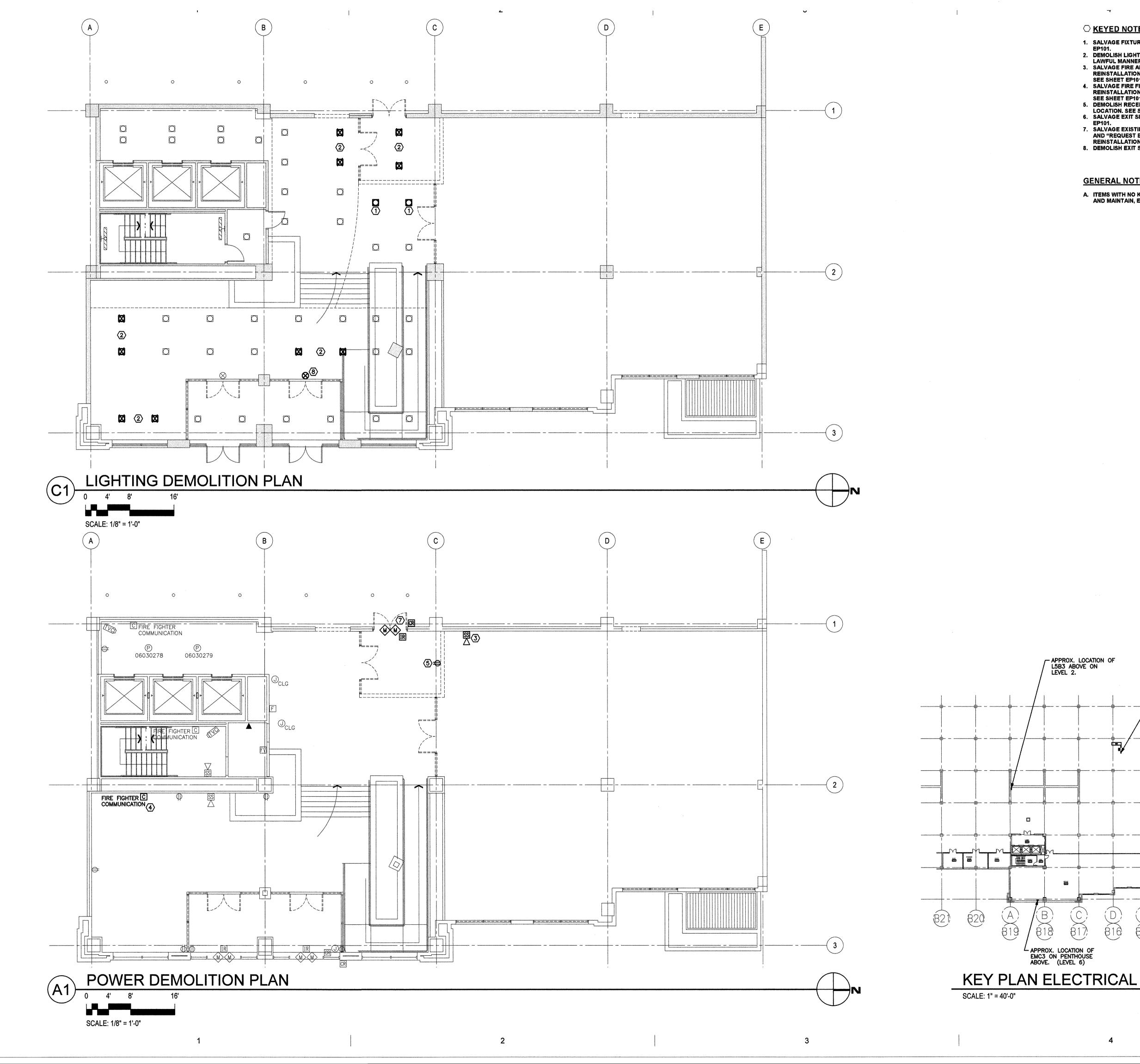
DENNIS H.

83-122981-0301

DEMOLITION FLOOR & REFLECTED **CEILING PLAN**

SEPTEMBER 15, 2005

DAE101



○ KEYED NOTES – SHEET ED101

- 1. SALVAGE FIXTURE FOR REINSTALLATION. SEE SHEET
- 2. DEMOLISH LIGHT FIXTURE. DISPOSE OF LAMPS IN A LAWFUL MANNER.
- 3. SALVAGE FIRE ALARM SPEAKER/STROBE FOR REINSTALLATION. EXTEND CIRCUIT TO NEW LOCATION. SEE SHEET EP101.
- 4. SALVAGE FIRE FIGHTER COMMUNICATION OUTLET FOR REINSTALLATION. EXTEND CIRCUIT TO NEW LOCATION. SEE SHEET EP101.
- 5. DEMOLISH RECEPTACLE. EXTEND CIRCUIT TO NEW LOCATION. SEE SHEET EP101.

 6. SALVAGE EXIT SIGN FOR REINSTALLATION. SEE SHEET
- 7. SALVAGE EXISTING CARD READER, MAGNETIC LOCKS, AND "REQUEST EXIT" INFRARED SENSOR FOR
- REINSTALLATION, SEE SHEET EP101. 8. DEMOLISH EXIT SIGN.

GENERAL NOTES - SHEET ED101

A. ITEMS WITH NO KEYED NOTE SHALL REMAIN. PROTECT AND MAINTAIN, EXTEND CIRCUITING AS REQUIRED.

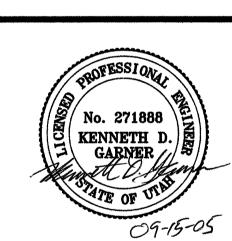


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JAMES D. GRAHAM & ASSOC., INC. consulting Engineers 102 W. 500 S. Suite 225 Salt Lake City, Utah 84101 FAX (801) 328-8802 (801) 328-8800 CONTACT:

KEN GARNER PROJECT NO: 55030.00



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APPROX. LOCATION OF UPS PANEL ABOVE LEVEL 2.

APPROX. LOCATION OF L5B3 ABOVE ON LEVEL 2.

APPROX. LOCATION OF EMC3 ON PENTHOUSE ABOVE. (LEVEL 6)

NO. DATE DESCRIPTION

LIGHTING & POWER DEMOLITION **PLANS**

SEPTEMBER 15, 2005

ED101

GENERAL STRUCTURAL NOTES

I. Design Criteria

A. Governing Building Code: 2003 International Building Code (IBC)

B. Floor Live Loading: 1. Mechanical Mezzanine:

80 psf Live Load or actual weights, if larger

C. Earthquake:

6. Importance Factor, lp:

. Seismic Use Group: 2. Seismic Design Category 3. Spectral Response Accelerations: Ss = 1.76 g $S_{DS} = 1.58 g$ $S_1 = 0.76 g$ $S_{D1} = 1.05 \, g$

4. Soil Site Class: $F_a = 0.9$ $F_{v} = 2.4$ 5. Architectural Component Anchorage Coefficients $R_p = 2.5$ $a_p = 1.0$

II. Concrete

A. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-02, "Building Code Requirements

1.0

for Structural Concrete." 1. Compressive strengths of concrete at 28 days shall be as follows:

a. Normal weight concrete over Steel Deck: 2. Concrete Density (Maximum Air Dry Weight):

a. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot.

b. Lightweight concrete shall not exceed 110 pounds per cubic foot and shall be made of lightweight coarse aggregates and a blend of lightweight and normal weight fines.

3. Reinforcement steel:

a. ASTM A615 Grade 60, fy = 60,000 psi min. unless noted otherwise.

4. Admixtures: a. Air-entraining admixtures, comply with ASTM C 260 (when used).

(1) When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-96 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.

b. Calcium chloride shall not be added to the concrete mix.

B. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

III. Structural Steel

A. Material:

1. Shapes and Plates: ASTM A36 (Fy = 36 ksi), except as noted otherwise. 2. Deformed Bar Anchors (DBA): ASTM A496.

3. Headed Stud Anchors (HSA): ASTM A108, with dimensions complying with AISC specifications.

B. Fabrication and construction shall comply with the following Codes and Standards:

1. American Institute of Steel Construction (AISC) 335-89, "Specification for Structural Steel Buildings - Allowable Stress Design and Plastic Design," including Supplement No. 1, 2001.

2.AISC LRFD 1999, "Load and Resistance Factor Design Specification for Structural Steel Buildings." 3.AISC 2000, "Code of Standard Practice" excluding the following: Section 3.3 (last sentence), Section 3.4, Section 4.4, Section

4.4.1, Section 4.4.2, Section 4.5, and Section 7.13.3. a. The architectural drawings are the prime contract drawings. Consultants' drawings by other disciplines are

supplementary to the architectural drawings. The structural drawings shall be used in conjunction with the architectural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in architectural, structural, and/or other consultants' drawings. Refer to VII. Special Instructions. notes VII.B and VII.C on this sheet.

4. American Welding Society (AWS) D1.1-00, "Structural Welding Code - Steel" (specific items do not apply when they conflict with the AISC requirements).

5. American Iron and Steel Institute (AISI) 20011996, "North American Specification for the Design of Cold-Formed Steel Structural Members."

1. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the type of work to be performed. Certification shall be considered current if dated within the past 12 months. Neiders will be considered certified it they have been certified under AWS and their work records are current within ever six-month period thereafter as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the architect prior to beginning work.

2. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof decks. 3. Minimum Welds: All intersecting steel shapes that are not bolted shall be connected by a fillet weld all around, unless noted

otherwise. Fillet weld sizes that are not shown shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected parts. 4. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards.

Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs). 5. Headed Stud Anchor (HSA) welding and Deformed Bar Anchor (DBA) welding shall conform to the manufacturer's specifications. Welding shall comply with AWS D1.1 Section 7.6 through 7.8 and Annex IX.

D. Steel Floor Deck:

1. Steel floor deck shall comply with the latest requirements of the Steel Deck Institute (SDI). Submit ICBO report with load and lateral shear capacities with shop drawings.

2. Steel floor deck shall be 9/16" deep X 28 gauge galvanized (G60) form deck with the following properties:

28 Gauge Minimum S (in3/ft) =

Minimum I (in4/ft) =A 2 1/2" thick overall normal weight concrete (fc = 3,000 psi @ 28 days unless noted otherwise) slab shall be poured over the steel deck. Reinforce slab with 6" x 6" - W2.1/W2.1 welded wire fabric (minimum) or reinforce slab with 2 pounds per cubic vard minimum polypropylene fibrillated fiber reinforcement, as per specifications. Welded Wire Fabric shall be

placed 1" to 1 1/2" below the top of the slab. 3. Weld deck to supporting framing members with 3/4" diameter puddle welds at the following spacing (Closer spacings may be used to develop minimum shear requirements.):

a. 12" o.c. to supports perpendicular to deck corrugations (4 welds per 36" wide sheet).

b. 12" o.c. to all supports parallel to deck corrugations.

c. All welded surfaces shall be dry before welding deck or study to supports. d. Provide weld washers in accordance with AWS D1.3.

4. Deck shall have a minimum bearing length of 2".

E. Cold-Formed Steel

. Light Gauge Steel Framing: a. Where steel framing size designators are used in the drawings, they follow the convention established by the Steel Stud Manufacturers' Association (SSMA) and the North American Steel Framing Alliance (NASFA). Framing members provided shall comply with the designations according to this convention.

b. All load bearing stud (and/or) joist framing members along with all runner, bridging, and end track shall be of the designation shown on the plans. All studs with base metal thickness of 54 mil and 68 mil, and joists with base metal thickness of 54 mil, 68 mil and 97 mil, shall be formed from steel meeting the requirements of ASTM A570 except that the steel shall have a 50,000 psi yield stress. All track and end closures with base metal thickness of 54 mil and 68 mil, bridging with base metal thickness of 54 mil, and studs and track with base metal thickness of 43 mil and 33 mil, shall be formed from steel with a minimum yield of 33,000 psi. All components shall be galvanized.

c. Follow all manufacturers' recommendations for the use of these products. d. Unless noted otherwise, all welded connections shall be done using 1/8" AWS type 6013 or 7014 rod with a welding heat of 60-110 amperes depending on the gauge of material and the fit of the parts. Wire tying of framing components shall

e. All interior non-bearing steel stud walls that extend above the ceiling but do not attach to the floor or roof diaphragm (above) shall have diagonal braces at 45 degrees (+/-). The KL/r ratio of the brace shall not exceed 200 and shall not be spaced further apart than 10'-0". Connect diagonal braces to the top of the steel stud walls and to the underside of the top flange of the steel beams, open web joists or girders, etc. with 1/8" fillet welds all around. Diagonal angle braces may be connected to 8" x 8" x 1/4" steel plates which shall be anchored to the floor or roof decks which have concrete fill above with 2-3/8" dia. expansion anchors for each plate. Connect angle to plate with a 1/4" fillet weld all around. Connect diagonal braces to roof decking which does not have concrete fill above per the non-bearing wall brace connection details shown on the structural drawings. Diagonal braces may be constructed from cold-formed light gauge steel studs but must conform to the kl/r ratio of less than 200 requirement. When diagonal brace lengths exceed 10'-0" (+/-), cold-formed box sections made from two 600S137-54 steel studs will likely be required.

- A. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.
- B. The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to the attention of the Architect before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the owner. Any work done by the contractor after discovery of such discrepancy shall be done at the contractor's risk.
- C. The structural drawings shall be used in conjunction with the architectural drawings. Primary structural elements and overall structural layout are indicated within the structural plans and details. Some secondary elements, architectural layouts, alcoves, elevations, slopes, depressions, curbs, mechanical equipment and electrical equipment, are not indicated within the structural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.

D. Shoring and Bracing Requirements:

- Floor and Roof Structures The General Contractor is responsible for the method and sequence of all structural erection. He shall provide temporary shoring and bracing as his method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof and floor attachments. The building shall not be considered stable until all
- E. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the contractor of the responsibility of completing the project according to the contract documents. The general contractor shall review and mark all shop drawings prior to submitting them to the Architect for his review. Shop Drawings made from reproductions of (these) contract drawings will be rejected.
- F. Project Coordination: It shall be the responsibility of the general contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the general contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the general contractor. It is the contractor's obligation to provide all items necessary for his chosen procedure.
- G. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, contractor shall notify architect/engineer prior to fabrication or construction within that area.
- H. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers and Associates, Inc., All Rights reserved. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers & Associates, Inc.'s reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers and Associates, Inc. for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the contractor or his subcontractors for preparation of shop drawings or other submittals.
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- K. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers and Associates, Inc., All Rights reserved. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers & Associates, Inc.'s reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers and Associates, Inc. for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the contractor or his subcontractors for preparation of shop drawings or other submittals.

- A. Special Inspection: Special Inspection shall be provided for the following elements per IBC sections 1704 and 1707: 1. Concrete and elements embedded in concrete shall be special inspected prior to and during placement of concrete. Special inspection of concrete shall include the following a. Reinforcing steel size and placement.
 - b. Concrete shall receive continuous special inspection during placement, and periodic inspection after placement to ensure proper curing and weather protection procedures.

2. Structural steel fabrication and erection shall be special inspected, including the following: a. Fillet welds smaller than 5/16" per AWS D1.1.

b. Fillet welds larger than 5/16", multiple pass welds, and all groove welds shall receive continuous special inspection during

c. Welding or fastening of floor or roof deck per AWS D1.3. or per the code evaluation report for the fastening method. 3. Post-installed anchors, including but not limited to expansion anchors, adhesive anchors and rebar dowels, and low velocity fasteners, shall receive special inspection per the code evaluation reports for the anchors.

B. Structural Testing: The following materials shall be tested per IBC sections 1704 and 1708. The owner reserves the right to test any and all materials using any appropriate non-destructive procedure. Any items found to be deficient shall be corrected and

retested at no additional cost to the owner. 1. Concrete Strength Verification and Testing. All concrete shall be tested to verify strength, slump, unit weight, air content, and temperature. See the specifications for testing criteria, testing frequency and acceptability criteria,

2. Post-installed anchors, including but not limited to expansion anchors, adhesive anchors, and low velocity fasteners, shall be tested per the code evaluation reports for the anchors.

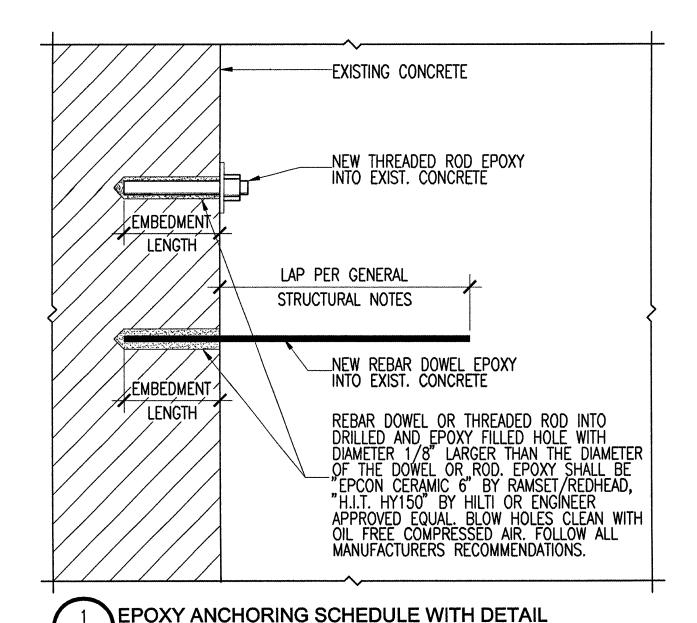
C. Structural Observations by the Engineer of Record.

1. The Engineer of Record may perform structural observations at critical phases of the project. Copies of the engineer's report will be distributed to the architect, contractor, owner, and QAA.

2. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of

3. Notification of Engineer: The contractor shall notify the engineer twenty-four hours prior to:

a. Placing concrete in any column, beam or suspended slab. b. Completing the welding of major sections of steel decking.



REBAR DOWEL SIZE	THREADED ROD DIAMETER	EMBEDMENT LENGTH
#3	3/8"	4.1/2"
#4	1/2"	6.1/2"
#5	5/8"	7.1/2"
#6	3/4"	10"
#7	7/8"	12"
#8	1"	13"
#9	1.1/8"	14"
#10	1.1/4"	15"
#11	1.3/8"	16"

EMBEDMENT LENGTHS SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER EMBEDMENT LENGTHS IN THIS SCHEDULE

. EMBEDMENT LENGTHS SHALL BE ADJUSTED WHEN EXISTING CONCRETE IS OF EQUAL OR LESS THICKNESS THAN SCHEDULE REQUIRES. IN THESE CASES THE EMBEDMENT LENGTH SHALL BE THE CONCRETE THICKNESS MINUS THE CLEAR COVER REQUIREMENTS, SEE GSN.

CONTINUOUS SPECIAL INSPECTION REQUIRED DURING INSTALLATION FOR ALL DOWELS AND THREADED RODS.

SE001 NO SCALE

CC	DNC	RETE	REI	NFC	RC	ING	BAR	LAP	SPL	LICE	SCI	HED	ULE	# KRF2-

								TENSIO	N BARS)							COMP. BARS
BAR	f	'c = 3	000 PS	SI	f	'c = 4	000 P	SI	f	'c = 5	000 PS	SI	f	'c = 6	000 PS	SI	f'c = ALL
SIZE	REGI	ULAR	TO)P	REGI	JLAR	T(OP	REG	JLAR	T()P	REGI	JLAR	T()P	
Fy = 60 KSI	CLA	ASS	CIV	ASS	CLA	ASS	CL	ASS	CD	ASS	CL	ASS	CLA	NSS	CL	ASS	
	A	В	Α	В	Α	В	Α	В	Α	В	Α	В	Α	В	Α	В	
#3	17"	22"	22"	28"	15"	19"	19"	25"	13"	17"	17"	22"	12"	16"	16"	20"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	17"	23"	23"	29"	16"	21"	21"	27"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	22"	28"	28"	36"	20"	26"	26"	33"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	26"	34"	34"	44"	24"	31"	31"	40"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	38"	49"	49"	63"	34"	45"	45"	58"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	43"	56"	56"	72"	39"	51"	51"	66"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	48"	63"	63"	81"	44"	57"	57"	74"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	54"	71"	71"	92"	50"	64"	64"	84"	39"
#11	78"	101"	101"	131"	67 "	87"	87"	114"	60"	78"	78"	102"	55"	71"	71"	93"	43"

NOTES: THESE NOTES SHALL BE USED FOR ALL SPLICES, UNLESS NOTED OTHERWISE ON DRAWINGS.

- 1. TOP BARS ARE HORIZONTAL BARS, SPLICED SO THAT 12" OR MORE OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW
- 2. CLASS A SPLICES MAY BE USED ONLY WHEN 50% OR LESS OF THE BARS ARE SPLICED WITHIN THE LAP SPLICE LENGTH.
- 3. CLASS B SPLICES SHALL BE USED FOR ALL SPLICES IN SLABS, BEAMS, JOISTS, WALLS, MOMENT RESISTING COLUMNS, AND JAMB COLUMNS, UNLESS THEY MEET THE REQUIREMENTS OF NOTE #2 ABOVE.
- 4. TIES AND STIRRUPS SHALL NOT BE SPLICED.
- 5. A. FOR BUNDLED BARS OF THREE OR LESS, LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.2.
- B. FOR BUNDLED BARS OF FOUR OR MORE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.33.
- C. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.
- 6. FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
- 7. FOR ALL EPOXY COATED BARS WITH COVER LESS THAN 3 BAR DIAMETERS OF CLEAR SPACING LESS THAN 6 BAR DIAMETERS THE LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.5. FOR ALL OTHER EPOXY BARS THE SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.2
- 8. THE BAR LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.5 WHEN EITHER OF THE FOLLOWING IS TRUE:
 A. CLEAR SPACING OF BARS BEING DEVELOPED IS LESS THAN ONE BAR DIAMETER, CLEAR COVER IS LESS THAN ONE BAR DIAMETER AND STIRRUPS OR TIES ALONG THE LENGTH OF THE SPLICE ARE LESS THAN THE CODE MINIMUM.
 B. CLEAR SPACING OF BARS BEING DEVELOPED IS LESS THAN 2 BAR DIAMETERS AND CLEAR COVER IS LESS THAN ONE BAR

AS PER ACI 318-0

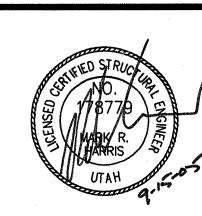


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Consulting Structural Engineers 1515 South 1100 East Salt Lake City, Utah 84105-2424 (801) 486-3883 Fax (801) 485-0911

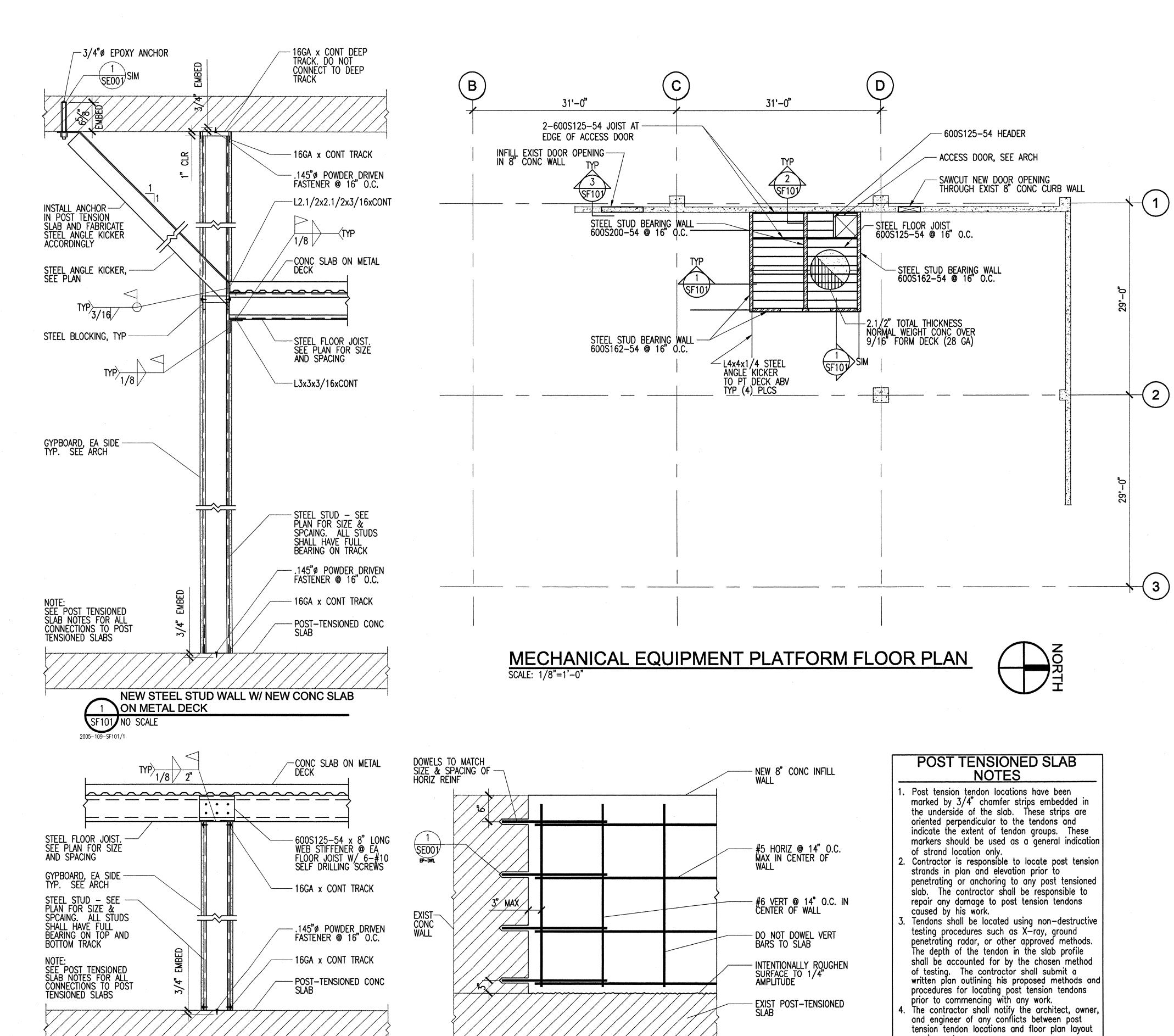


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GENERAL STRUCTURE NOTES

BID SET



3 CONCRETE CURB WALL INFILL

EXISTING ITEMS PLAN LEGEND EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL EXISTING OPENING THROUGH CONCRETE NEW OPENING THROUGH EXISTING CONCRETE WALL EXISTING MASONRY WALL EXISTING OPENING THROUGH MASONRY NEW OPENING THROUGH EXISTING MASONRY WALL - EXISTING STEEL BEAM OR GIRDER - EXISTING STEEL JOIST OR PURLIN ==-== EXISTING CROSS BRIDGING ---- EXISTING HORIZONTAL BRIDGING ---- EXISTING TO BE REMOVED EXISTING OPENING FRAMING PLAN LEGEND CONCRETE WALL CONCRETE LINTEL IN CONCRETE WALL STEEL BEAM OR GIRDER - STEEL JOIST OR PURLIN ==-== CROSS BRIDGING ---- HORIZONTAL BRIDGING STEEL STUD WALL - STRUCTURAL STEEL HEADER IN STEEL STUD WALL O" CHANGE IN ELEVATION -CONCRETE ON METAL DECK ROOF DECK

SPECIAL DECK AREA

OPENING

requirements.

any field located tendon.

be notified immediately.

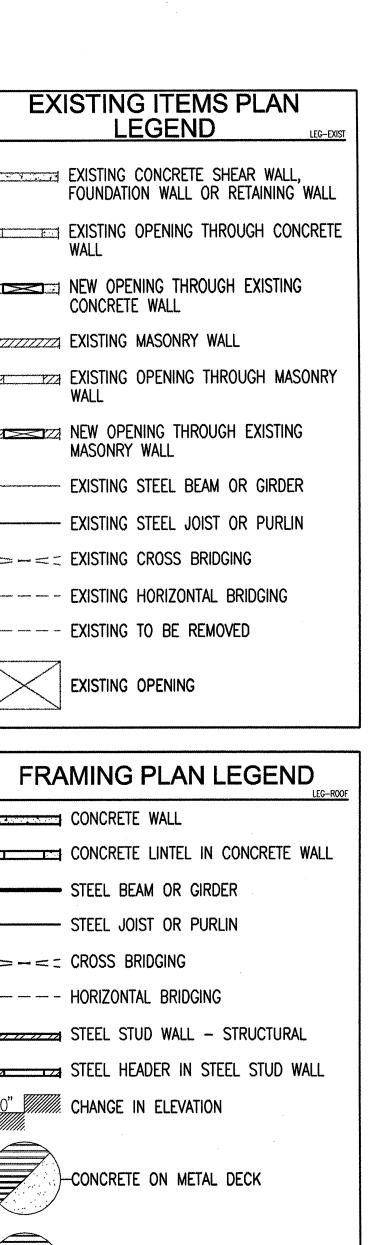
5. All sawcuts, core drilled holes and drilled anchors shall be located 6" minimum clear of

6. Powder driven fasteners may be used provided the depth of the tendon is at least the anchor

In the event of damage to a post tension tendon the architect, owner, and engineer shall

penetration depth plus one inch. The depth of the tendons shall be field verified as noted above prior to any anchor installation.

RECESSED/DEPRESSED SLAB ON METAL





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REAVELEY ENGINEERS

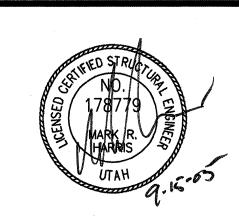
& ASSOCIATES, INC. Consulting Structural Engineers 1515 South 1100 East

Salt Lake City, Utah 84105-2424 (801) 486-3883 Fax (801) 485-0911

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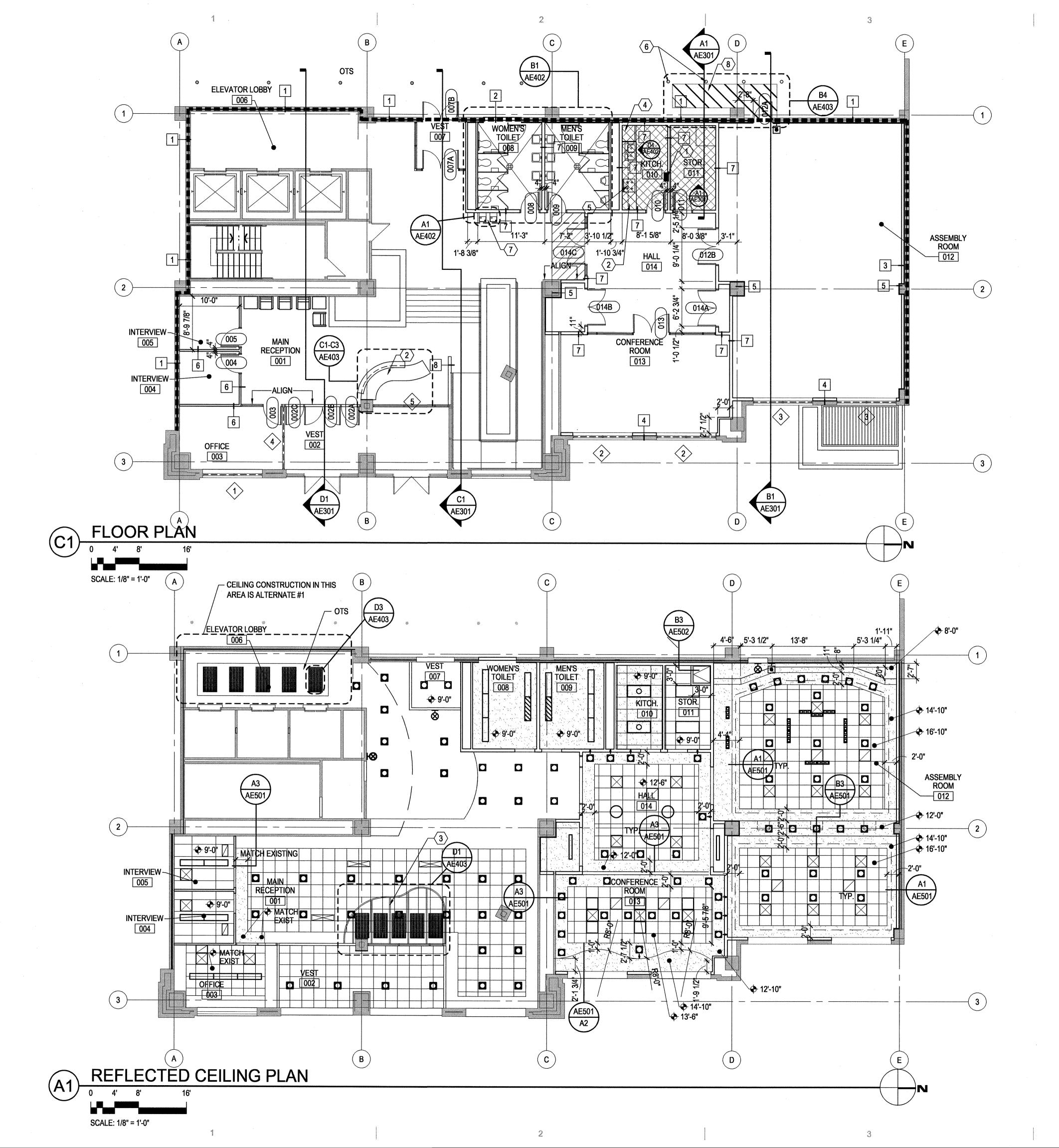
FLOOR PLAN

BID SET

SF101

NEW STEEL BEARING STUD WALL W/

NEW CONC SLAB ON METAL DECK



GENERAL NOTES

- 1. ALL NEW INTERIOR STUD WALLS TO BE FILLED WITH ACOUSTICAL BATT INSULATION, FULL HEIGHT
- 2. ALL NEW INTERIOR STUD WALLS FRAMED TO NEXT FLOOR DECK ABOVE.
- 3. ALL NEW FIRE RATED ASSEMBLIES AT EXISTING WALLS TO EXTEND TO THE FLOOR DECK ABOVE AND BE FIRE STOPPED.
- 4. ALL DIMENTIONS ARE TO CENTER OF COLUMNS OR FACE OF STRUCTURE OR STUDS.
- 5. UPGRADING OF WALL FIRERATING INCLUDES EXISTING BALCONY LEVEL.

KEYNOTES

- 1 SEMI-RECESSED FIRE EXTINGUISHER CABINET SEE B3/AE502.
- 2 NEW MILLWORK.
- 3 NEW CANOPY.
- 4 RESIDENTIAL REFRIDGERATOR N.I.C.
- 5 RESIDENTIAL RANGE N.I.C.
- 6 STEEL BOLLARD W/ BOLT PLATE EPOXY DOWELED TO EXISTING SLAB MATCH EXISTING.
- 7 DRINKING FOUNTAINS W/ ACCESSIBLE DRINKING FOUNTAIN.
- 8 PAINTED WARNING HATCH LINES TO MATCH EXISTING PATTERN AT PARKING EXIT DOORS 007B TO BE INSTALLED BY CONTRACTOR.

AREA OF MECHANICAL MEZZANINE ABOVE SEE SECTION A1/AE301

AREA OF NEW FLOOR STONE TO MATCH EXISTING DARK COLOR

WALL LEGEND

ТҮР.	EXISTING WALL TO REMAIN
1	SEE DETAIL 1/AE501
2	SEE DETAIL 2/AE501
3	SEE DETAIL 3/AE501
4	SEE DETAIL 4/AE501
5	SEE DETAIL 5/AE501
<u> </u>	SEE DETAIL 6/AE501
7	SEE DETAIL 7/AE501
8	SEE DETAIL 8/AE501
	2 HR. FIRE WALL

CEILING GENERAL NOTES

- 1. ALL CEILING PLAN HEIGHTS SHALL BE RELATIVE TO THE FINISH FLOOR DIRECTLY BENEATH THE ELEVATION NOTE.
- 2. SEE B2/AE501.
- 3. ALL NEW INTERIOR PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.
- 4. NEWLY EXPOSED CEILING STRUCTURE TO REMAIN EXPOSED IS TO BE PAINTED. PATCH & FILL EDGE SOFFITS AND RELOCATE UTILITIES & FIRE EQUIPMENT. SEE ALTERNATE #1.

REFLECTED CEILING PLAN

OPEN TO STRUCTURE

2 X 4 LIGHT FIXTURE

LEGEND

O.T.S.

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1 X 4 LIGHT FIXTURE
RECESSED LIGHT FIXTURE
2 X 4 CEILING GRID W/ ACOUSTICAL CEILING TILES
2 X 2 CEILING GRID W/ ACOUSTICAL CEILING TILES
GYPSUM BOARD
SUPPLY AIR DIFFUSER
RETURN AIR GRILLE
24" X 24" ACCESS DOOR - COORDINATE LOCATION W/ MECHANICAL CONTRACTOR.



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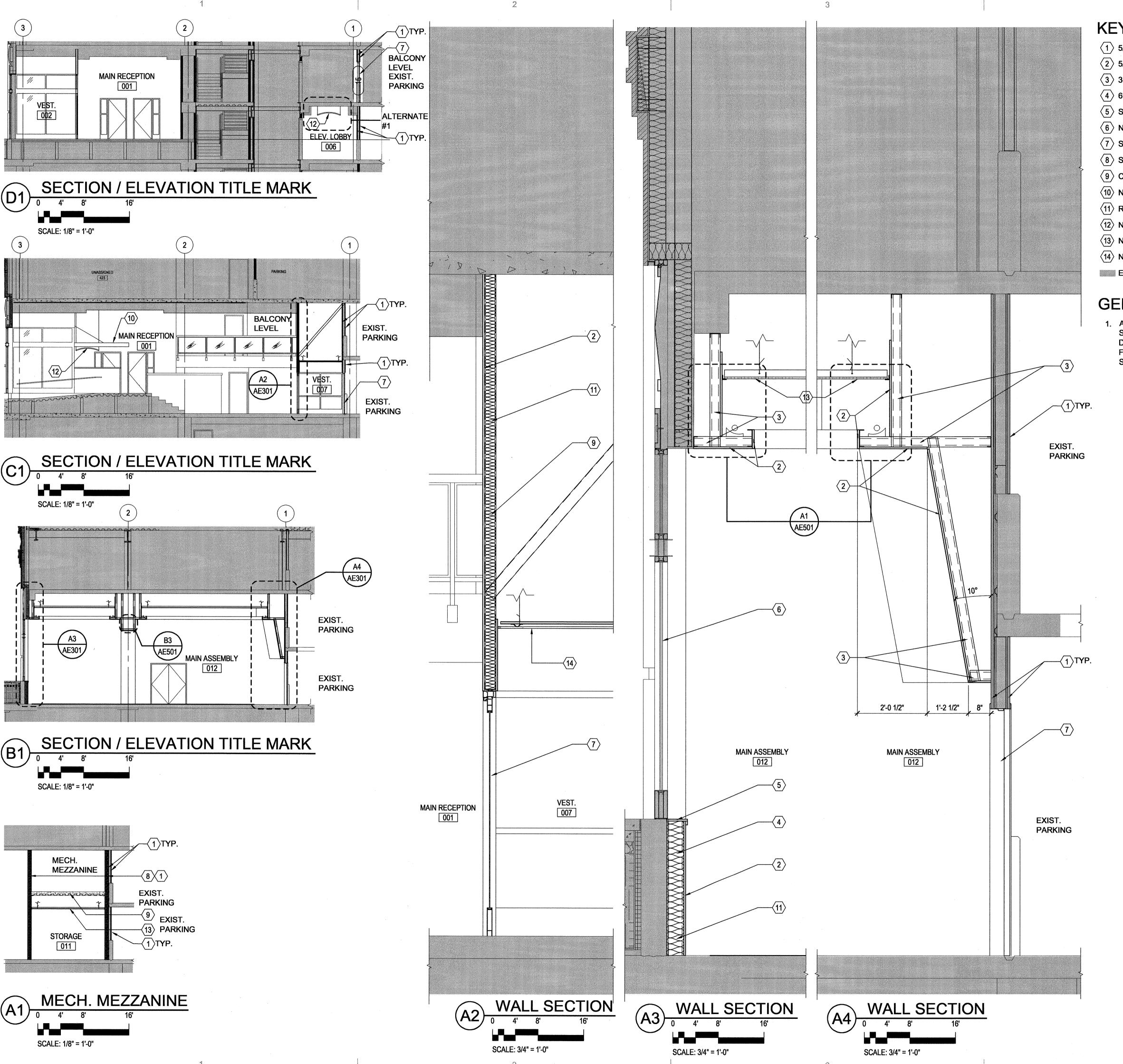
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FLOOR PLAN & REFLECTED CEILING PLAN

SEPTEMBER 15, 2005



KEYNOTES

- 1 5/8" TYP 'X' GYP BD
- 2 5/8" GYP BD
- $\langle 3 \rangle$ 3-5/8" MTL STUD FRAMING
- 4 6" MTL STUD FRAMING
- 5 SOLID SURFACE SILL
- 6 NEW GLAZING IN EXISTING FRAME
- (7) SCHEDULE DOOR
- $\langle 8 \rangle$ SOUND BATT INSULATION
- 9 CONC. PAD OVER STEEL DECK (SEE STRUCT.)
- (10) NEW 2X8 EXTRUDED ALUM. CANOPY
- (11) R-19 BATT INSULATION
- (12) NEW PERFORATED METAL PANEL
- (13) NEW LAYIN ACCOUSTICAL CEILING
- (14) NEW SUSPENDED GYP. BD. CEILING
- **EXISTING CONSTRUCTION TO REMAIN**

GENERAL NOTES

1. ALL VERTICALLY FRAMED HEADERS, SOFFITS, LIGHT SHELVES, ETC TO BE DIAGONALLY BRACED WITH STUD FRAMING @ 48" O.C. U.N.O. FOR A RIGID SELF SUPPORTING CONNECTION.



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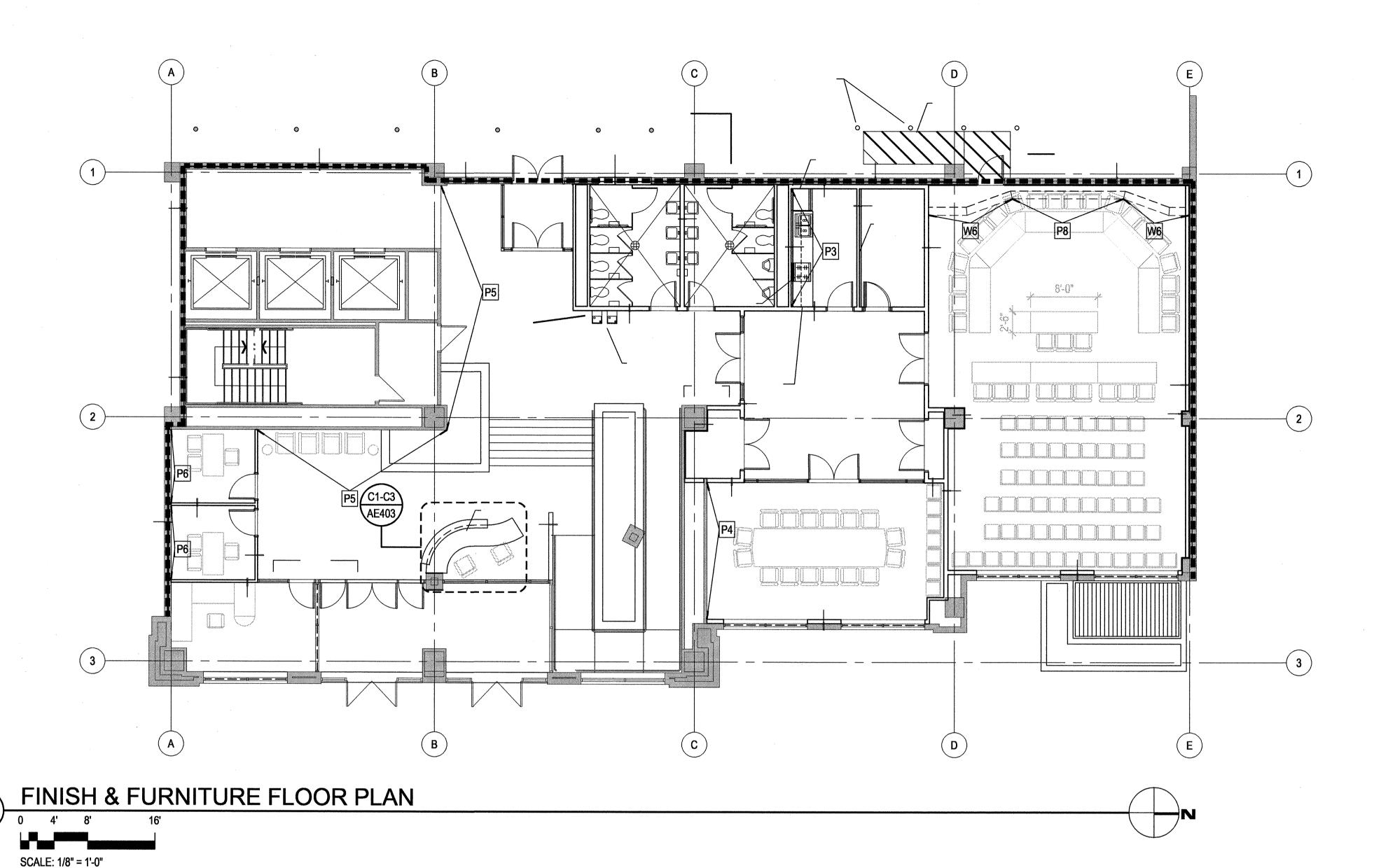
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BUILDING SECTIONS

SEPTEMBER 15, 2005
SHEET NUMBER



GENERAL SHEET NOTES

- 1. GENERAL SHEET NOTES PERTAIN TO THIS SHEET ONLY.
- 2. WOOD DOORS TO BE WHITE MAPLE, PLAIN SLICED, FINISH STAIN TO MATCH ARCHITECTS' SAMPLE.
- 3. ALL HOLLOW METAL DOORS, FRAMES AND HANDRAILS TO BE PAINTED P3.
- 4. TOILET PARTITIONS TO BE POWDER COATED BAKED COLOR STILL TO BE DETERMINED
- 5. THE GROUT COLORS SHALL BE:
 - A. REST ROOM FLOOR TILE, MAPEI COLOR IVORY 39.
 - B. REST ROOM WALL TILE, MAPEI **COLOR ALMOND 48**
- 6. ALL NEW GYP. WALLS TO BE PAINTED P1, UNLESS NOTED OTHERWISE.

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	FINISH SCHEDULE									
Room #	Room Name	Floor	Base	North Wall	South Wall	East Wall	West Wall	Ceiling	Notes	Room #
001	MAIN RECEPTION	М9	М9	P1	P1	P1	P4-P7*	C1/M9	ACCENT PAINT COLOR TO BE DETERMINED*	001
002	VEST	M9	М9	M9	М9	M9	M9	М9		002
004	INTERVIEW	F1	B1	PA	P4-P7*	P1	P1	C1	ACCENT PAINT COLOR TO BE DETERMINED*	004
005	INTERVIEW	F1	B1	P1	P4-P7*	P1	P1	C1	ACCENT PAINT COLOR TO BE DETERMINED*	005
006	ELEVATOR LOBBY	M9	M9	M9	М9	M9	M9	М9		006
007	VEST	M9	M9	P1	М9	M9	P1	C1		007
800	WOMEN'S TOILET	F2-F5	B2	W1-W4	W1-W4	W1-W4	W1-W4	C1		008
009	MEN'S TOILET	F2-F5	B2	W1-W4	W1-W4	W1-W4	W1-W4	C1		009
010	KITCH.	F7-F11	B1	P1	P4-P7*	P1	P1	C1	ACCENT PAINT COLOR TO BE DETERMINED*	010
011	STOR.	F6	B1	P1	P1	P1	P1	C2		011
012	ASSEMBLY ROOM	F1	B1	P1	P1	P1	P1	C1/C2		012
013	CONFERENCE ROOM	F1	B1	P1	P4-P7*	P1	P1	C1/C2	ACCENT PAINT COLOR TO BE DETERMINED*	013
014	HALL	F1	B1	P1	P1	P1	P1	C1/C2		014

LEGENDS AND SYMBOLS

FLOOR

F1 CARPET, CROSSELY FOCUS 30346 TAKE A PILL 30346-01885

F2 DAL TILE BUFFSTONE RANGE D147

2" X 2" UNGLAZED MOSAIC TILE F3 DAL TILE COLBALT BLUE D023

2" X 2" UNGLAZED MOSAIC TILE

F4 DAL TILE COTTO SPECKLE 2" X 2" UNGLAZED MOSAIC TILE F5 DAL TILE CYPRESS D452

2" X 2" UNGLAZED MOSAIC TILE F6 SEALED CONCRETE

VCT, ARMSTRONG F7 WASHED LINEN 51810 12" X 12" TILES

F8 VCT, ARMSTRONG GENTIAN BLUE 51946 12" X 12" TILES

F9 VCT, ARMSTRONG CINNAMON BROWN 12" X 12" TILES

F10 VCT, ARMSTRONG LICHEN GREEN 51808

12" X 12" TILES

BASE B1 RUBBER BASE ROPPE CLAY 09

B2 GLAZED WALL BASE DAL TILE ALMOND 0135, COVED

W2 DAL TILE GALAXY 4" x 4" GLAZED WALL TILE W3 DAL TILE COTTO Q181

4" x 4" GLAZED WALL TILE W4 CYPRESS ^{---]} 1452

4" x 4" GLAZED WALL TILE

WALL MATERIAL

W1 DAL TILE ALMOND

0135

W5 GYP. BOARD, PAINTED P1 - FIELD PAINT, BENJAMIN MOORE POWDER SAND OC-113

4" x 4" GLAZED WALL TILE P3 - TRIM PAINT, BENJAMIN MOORE SAG HARBOR GRAY HC-95 P4 - ACCENT PAINT, BENJAMIN MOORE

BABY TURTLE 515 P5 - ACCENT PAINT, BENJAMIN MOORE CAROLINA GULL 2138-40
P6 - ACCENT PAINT, BENJAMIN MOORE
ROASTED SESAME SEED 2160-40
P7 - ACCENT PAINT, BENJAMIN MOORE

BURNT SIENNA 1196 P8 - SCREEN PAINT

CEILING

C1 GYP. BOARD, PAINTED P2 - CEILING PAINT, BENJAMIN MOORE SNOW WHITE OC-66

C2 LAY-IN ACOUSTIC CEILING TILE

C3 PAINTED EXPOSED STRUCTURE ALTERNATE #1

MISCELLANEOUS PLASTIC LAMINATE M1 PIONITE ----- HONEY MAPLE WM951

WALL COVERING, LANARK, GRASS WEAVE M2 PLASTIC LAMINATE LAMIN-ART SAGE GREEN #2446 T

M3 PLASTIC LAMINATE LAMIN-ART COPPER #2404-T

M4 PLASTIC LAMINATE LAMIN-ART FROST BLUE #2413-T

M5 PLASTIC LAMINATE LAMIN-ART ROYAL PEWTER #2102-T

M6 SOLID SURFACING FORMICA TREASURE ARTIFACTS 802 M7 SOLID SURFACING FORMICA NATURAL CONCRETE 603

WOOD DOORS M8 MARSHFIELD DOOR SYSTEMS WHITE MAPLE PS- TOAST FINISH 28-95 MATCH TO MHTN'S SAMPLE

M9 EXISTING FLOOR, WALL & CEILING FINISH

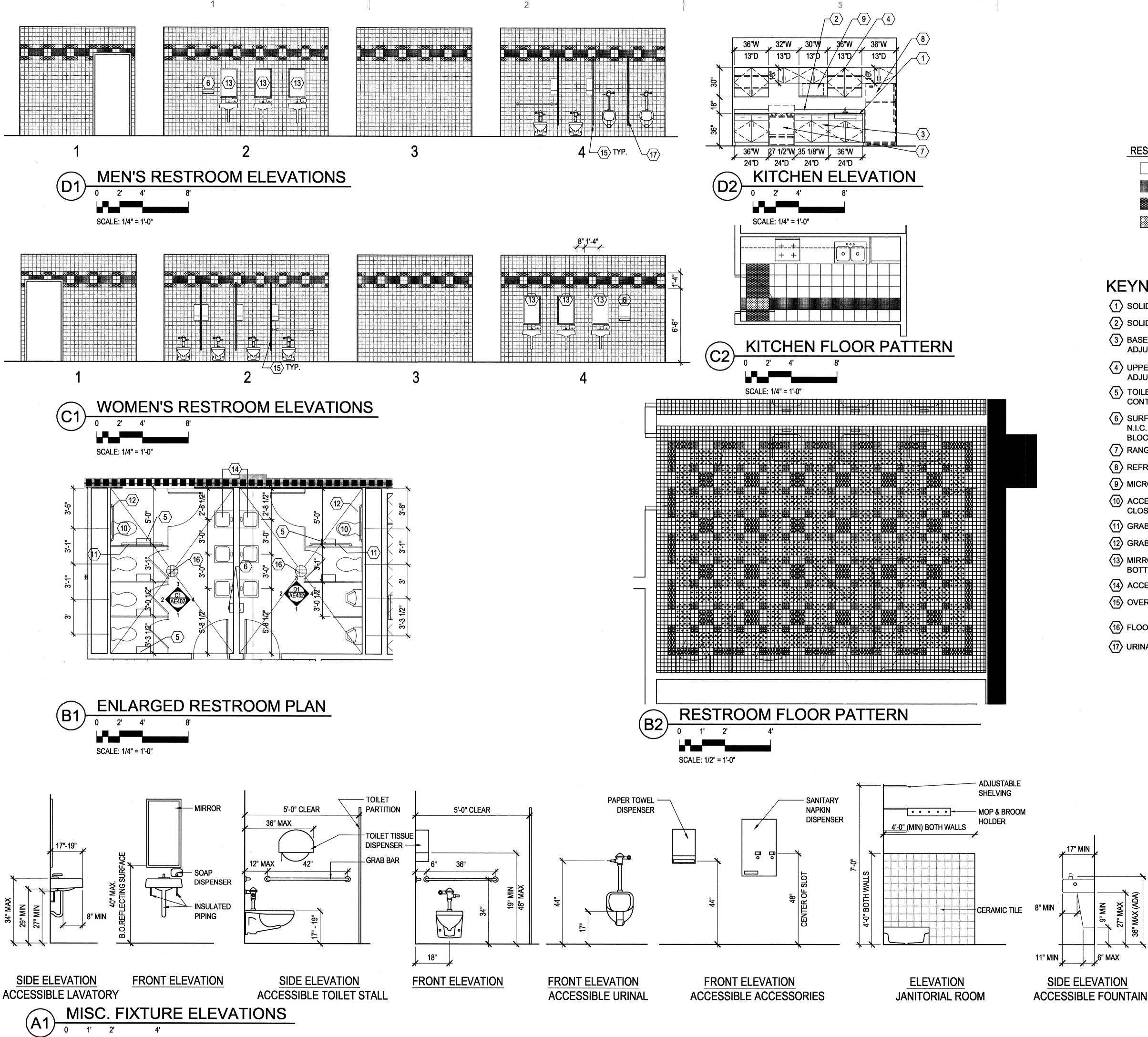
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MHTN PROJECT NO. 2005539 DFCM PROJECT NO. 04254300

AND LEGEND

SEPTEMBER 15, 2005



SCALE: 1/2" = 1'-0"

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REST ROOM & KITCHEN TILE LEGEND

FIELD TILE

ACCENT TILE

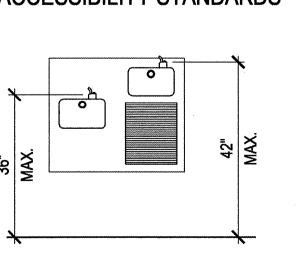
ACCENT TILE

ACCENT TILE

KEYNOTES

- 1 SOLID SURFACE COUNTERTOP
- 2 SOLID SURFACE BACKSPLASH
- (3) BASE UNIT W/ HINGES, DOORS AND ADJUSTABLE SHELVES.
- 4 UPPER UNIT W/ HINGES, DOORS AND ADJUSTABLE SHELVES.
- (5) TOILET PAPER DISPENSER N.I.C. CONTRACTOR TO PROVIDE BLOCKING.
- 6 SURFACE MOUNTED TOWEL DISPENSER N.I.C. CONTRACTOR TO PROVIDE BLOCKING.
- (7) RANGE N.I.C.
- 8 REFRIGERATOR N.I.C.
- (9) MICROWAVE N.I.C.
- (10) ACCESSIBLE WALL MOUNTED WATER CLOSET.
- (11) GRAB BAR (42")
- (12) GRAB BAR (36")
- MIRROR (18x36) MOUNT @ 40" AFF FROM BOTTOM.
- (14) ACCESSIBLE LAV W/ INSULATED PIPING.
- (15) OVER HEAD BRACED TOILET PARTITION.
- (16) FLOOR DRAIN.
- (17) URINAL SCREEN.

NOTE: **BOTH A STANDARD HEIGHT** FOUNTAIN AND WHEELCHAIR ACCESSIBLE FOUNTAIN ARE REQUIRED TO MEET ACCESSIBILITY STANDARDS



FRONT ELEVATION **ACCESSIBLE FOUNTAIN**

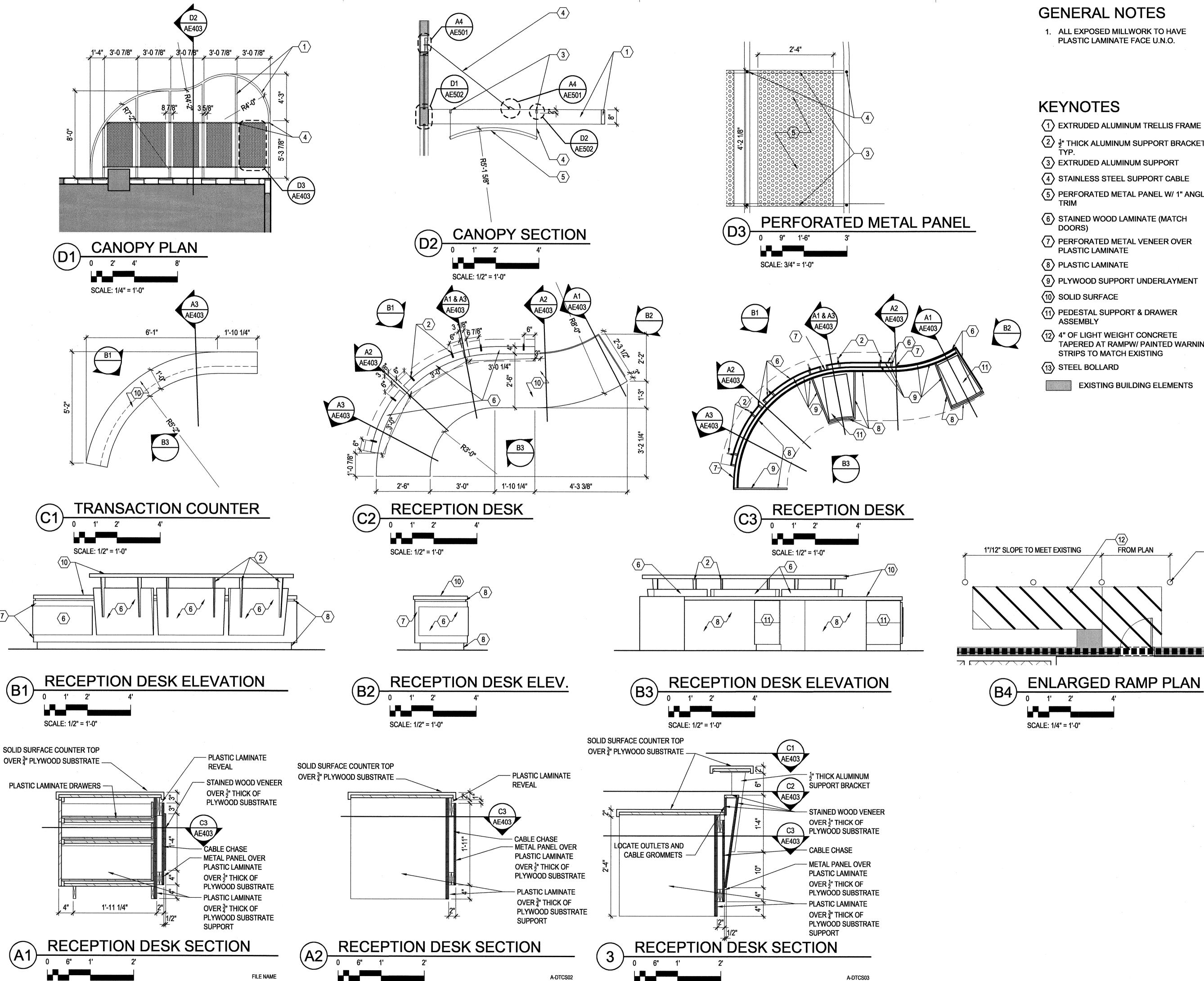
TOIL. RM. PLANS & **INTERIOR ELEVATIONS**

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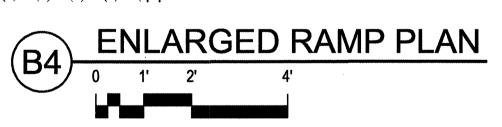
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SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

- 2 ½" THICK ALUMINUM SUPPORT BRACKET
- 5 PERFORATED METAL PANEL W/ 1" ANGLE

- 4" OF LIGHT WEIGHT CONCRETE TAPERED AT RAMPW/ PAINTED WARNING



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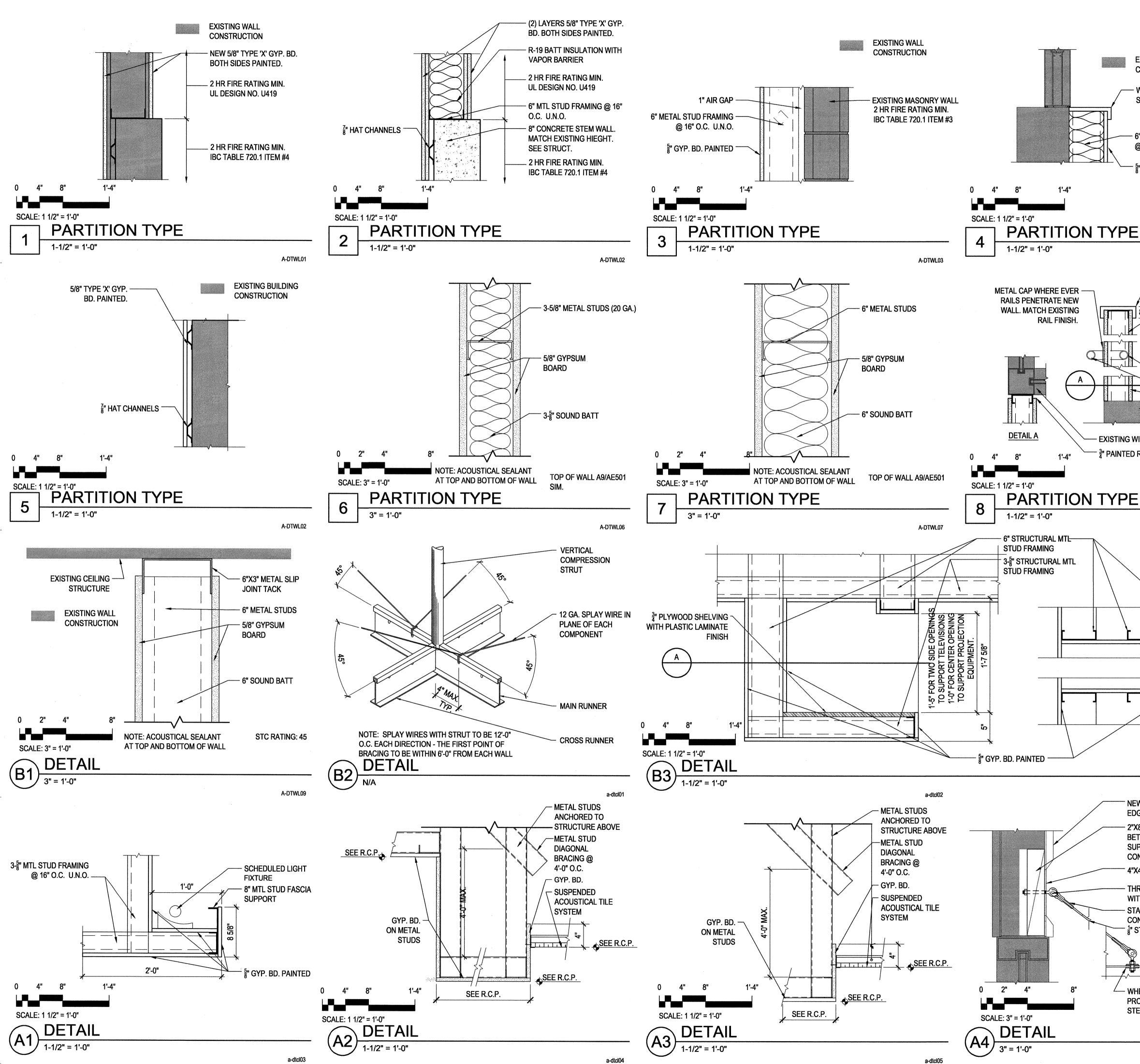
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CANOPY & RECEPTION DESK DETAILS

SEPTEMBER 15, 2005



EXISTING BUILDING CONSTRUCTION WINDOW SILL WITH SOLID SURFACE SILL WHERE OCCURS 6" METAL STUD FRAMING @ 16" O.C. U.N.O. FULL HIEGHT - 5" GYP. BD. PAINTED **PARTITION TYPE**

RAIL FINISH.

A-DTWL04

- SOLID SURFACE WALL CAP

 $3-\frac{5}{8}$ " METAL STUD FRAMING ATTACHED TO EXISTING **GUARD RAIL FOR SUPPORT**

- EXISTING GUARD RAIL

- EXISTING RAMP HAND RAIL

EXISTING BUILDING CONSTRUCTION

A-DTWL08

5" GYP. BD. BOTH SIDES

- EXISTING WINDOW SYSTEM

DETAIL A

EDGE AT COVER PLATE

CONNECTION

NEW 8" GYP. BD. PATCH WITH CHAMFERED

- 2"X8" WOOD STUD BLOCKING SECURED

4"X4"X8" STAINLESS STEEL COVER PLATE

- THREADED STAINLESS STEEL EYE BOLT

- WHEN CONNECTING TO ALUMINUM FRAME

PROVIDE GASKETED SEPARATION BETWEEN

EXISTING BUILDING

A-DTCL06

CONSTRUCTION

BETWEEN METAL STUDS ABLE TO

SUPPORT 300 POUNDS PER CABLE

WITH WASHERS AND NUT TYP.

CONNECTOR WITH PIN TYP.

 $-\frac{1}{8}$ " STAINLESS STEEL CABLE

STEEL AND ALUMINUM

- STAINLESS STEEL SWAGGED FORK

 $-\frac{3}{4}$ " PAINTED REVEAL

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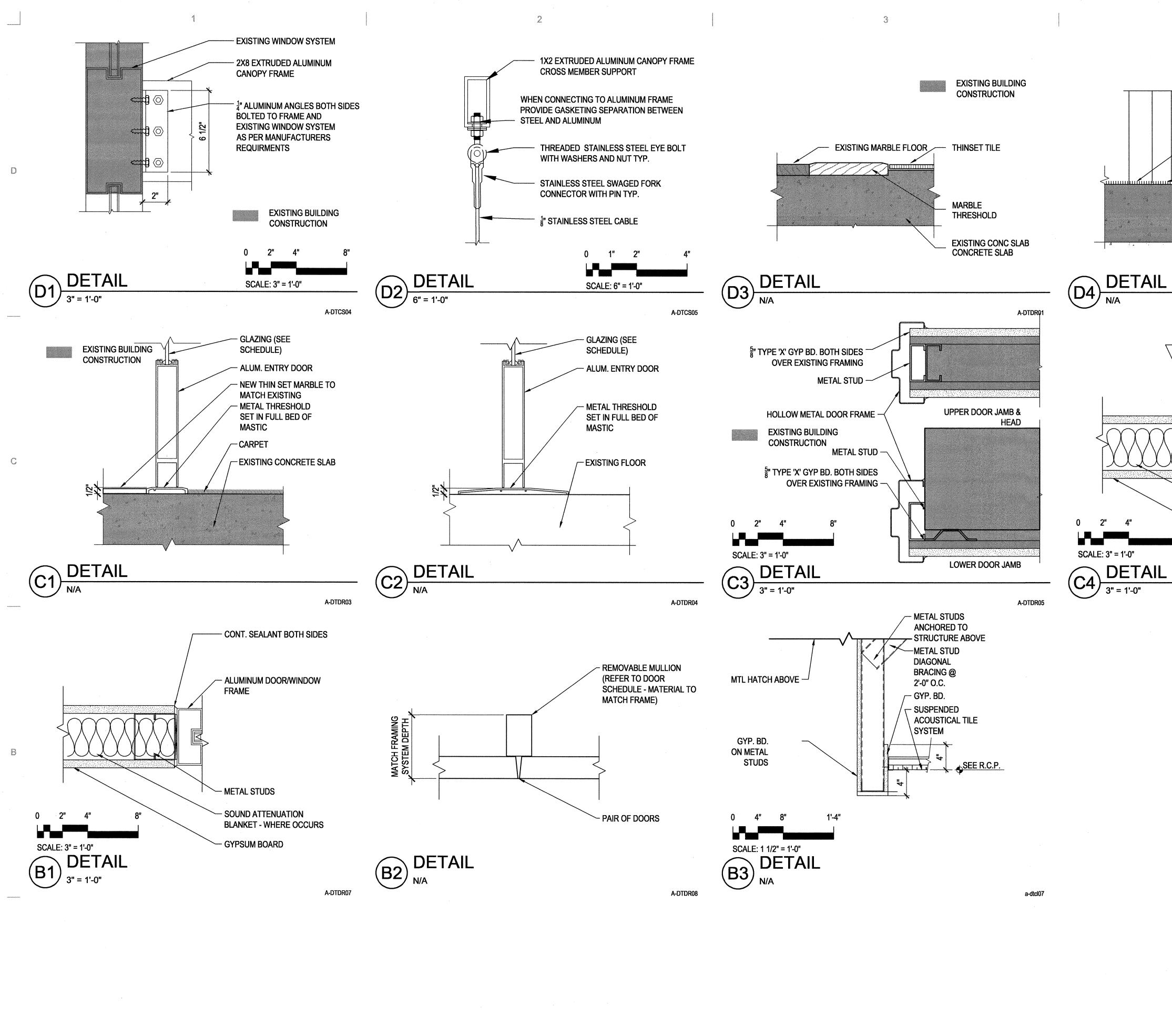
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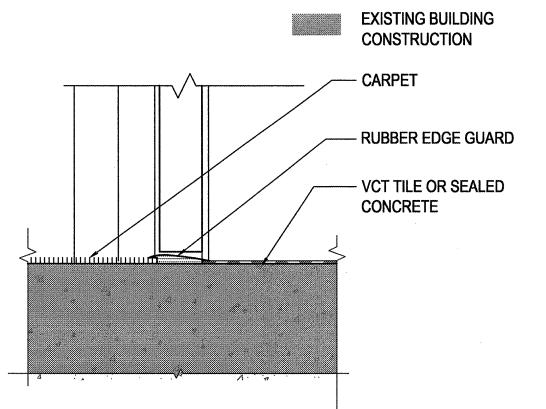
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PARTITION TYPES SCHEDULE & DETAILS

SEPTEMBER 15, 2005







CONT. SEALANT BOTH SIDES

CONT. SEALANT BOTH SIDES

HOLLOW METAL DOOR FRAME

HOLLOW METAL DOOR FRAME

METAL STUDS

SOUND ATTENUATION
BLANKET - WHERE OCCURS

E: 3" = 1'-0"

A-DTDR07

A-DTDR07

A-DTDR07

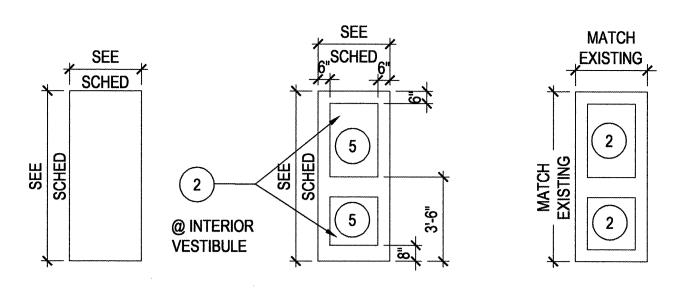
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DETAILS

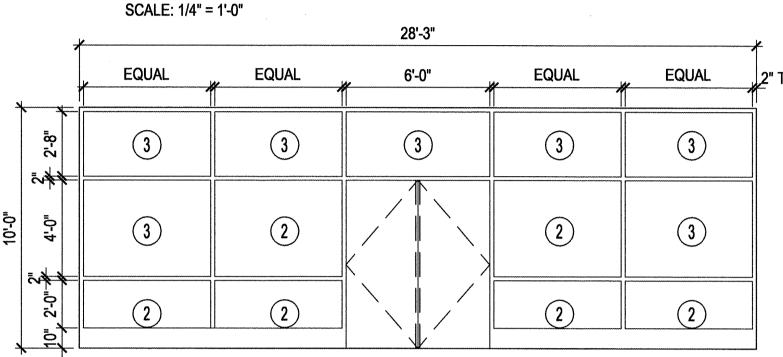
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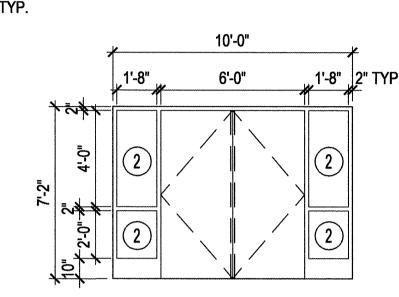


DOOR TYPE A DOOR TYPE B

DOOR TYPE C

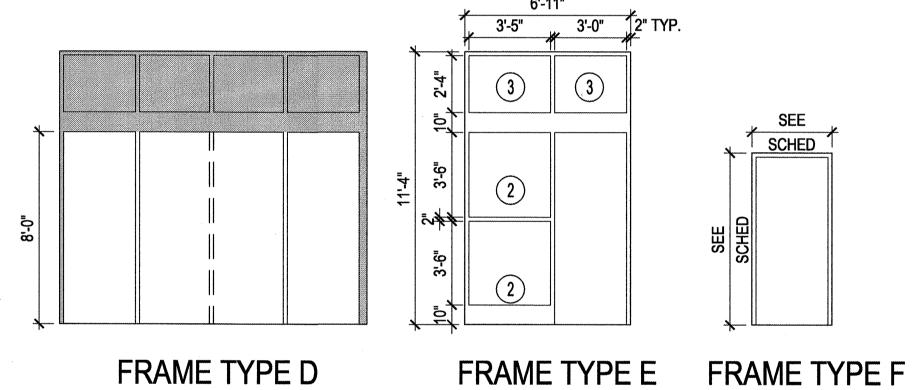


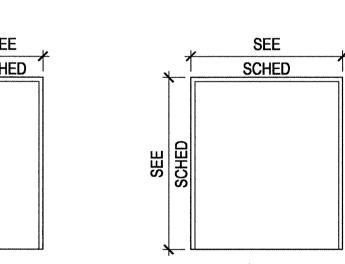


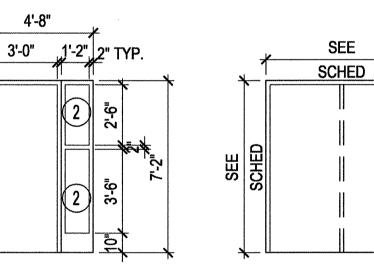


FRAME TYPE A

FRAME TYPE B







FRAME TYPE J

FIRST FLOOR INTERIOR DOOR SCHEDULE

B1/AE502

B1/AE502

B1/AE502

C4/AE502

C4/AE502

C4/AE502

C4/AE502

C4/AE502

C4/AE502

B1/AE502

B1/AE502

C2/AE502

C2/AE502

C2/AE502

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C1/AE502

C1/AE502

C1/AE502

C1/AE502

C1/AE502

C1/AE502

C2/AE502

C2/AE502

Thickness | Material | Type | Material | Head Detail | Jamb Detail | Sill Detail

ALUM

ALUM

ALUM

ALUM

ALUM

ALUM

ALUM

HM

ALUM

ALUM

ALUM B1/AE502

B1/AE502

B1/AE502

C4/AE502

C4/AE502

C4/AE502

C4/AE502

C4/AE502

C4/AE502

B1/AE502

B1/AE502

Door

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PR 3'-0" x 7'-0"

PR 3'-0" x 7'-0"

PR 3'-0" x 7'-0"

PR 3'-0" x 7'-0"

FRAME TYPE G FRAME TYPE H

002A

002A

002B

002B

002C

002C

002C

003

004

005

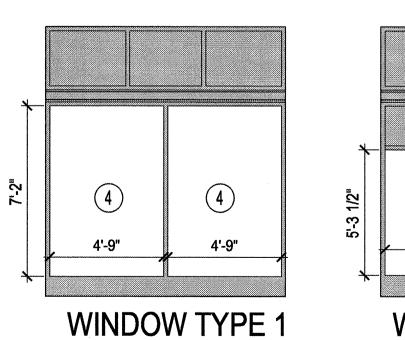
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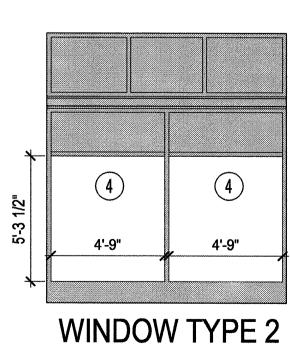
C1 FRAME TYPES SCALE: 1/4"=1'-0" 0 2" 4' 8'

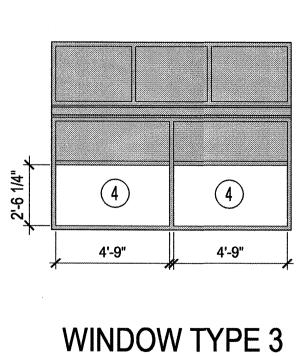
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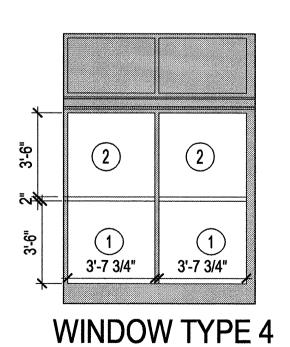
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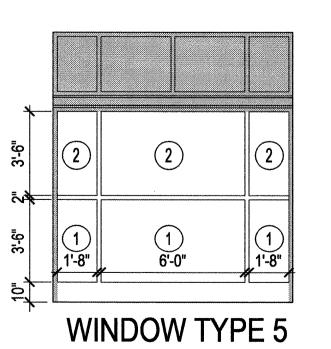
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	GLAZING TYPES	
TYPE	GLASS	REMARKS
(=)	1/4" FROSTED TEMPERED GLASS	FROSTED SIGN @ WINDOW TYPE 5
(<u>a</u>)	1/4" CLEAR TEMPERED GLASS	
(3)	1/4" CLEAR GLASS	
4	1" FROSTED INSULATED GLASS	
5	1" TEMPERED INSULATED GLASS	

GLAZING LEGEND

EXISTING FRAMES AND GLAZING TO REMAIN

☐ NEW FRAMEWORK

MH

Notes

2

2, 1, B2/AE502

2, 1, B2/AE502

2, 1, B2/AE502

2

2

1, B2/AE502

1, B2/AE502

1 R2/AF502

Electrical | Fire Rating | Hardware

2

2

3

4

2

KEYNOTES

1 REMOVABLE MULLION

(2) EXISTING FRAME TO REMAIN

Number

002A

002A

002B

002B

002B

002C

002C

002C

003

003

003

004

004

004

005

005

005

007A

007A

007A

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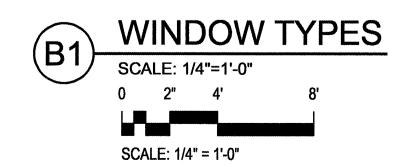
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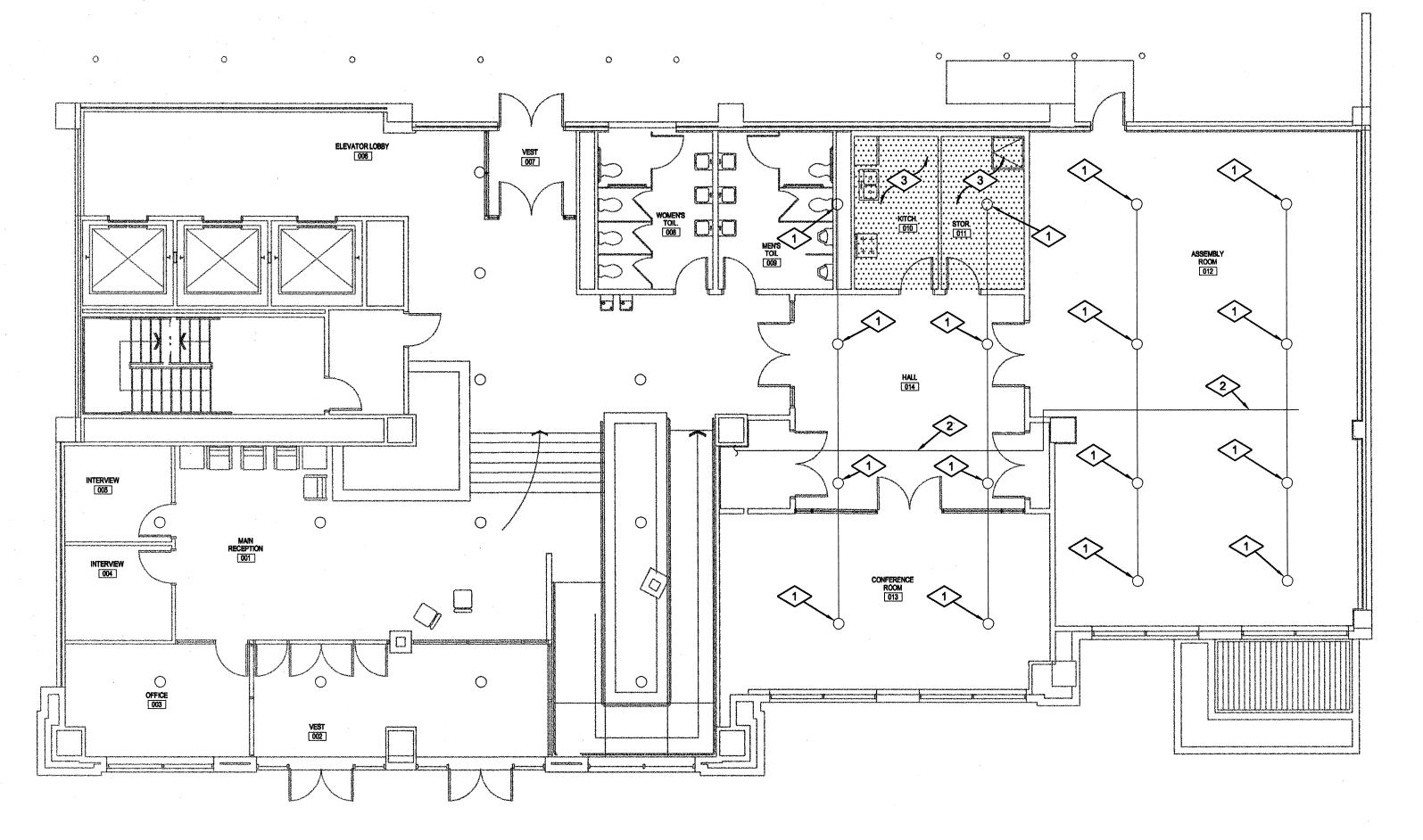
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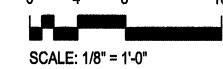
DOOR AND WINDOW TYPES

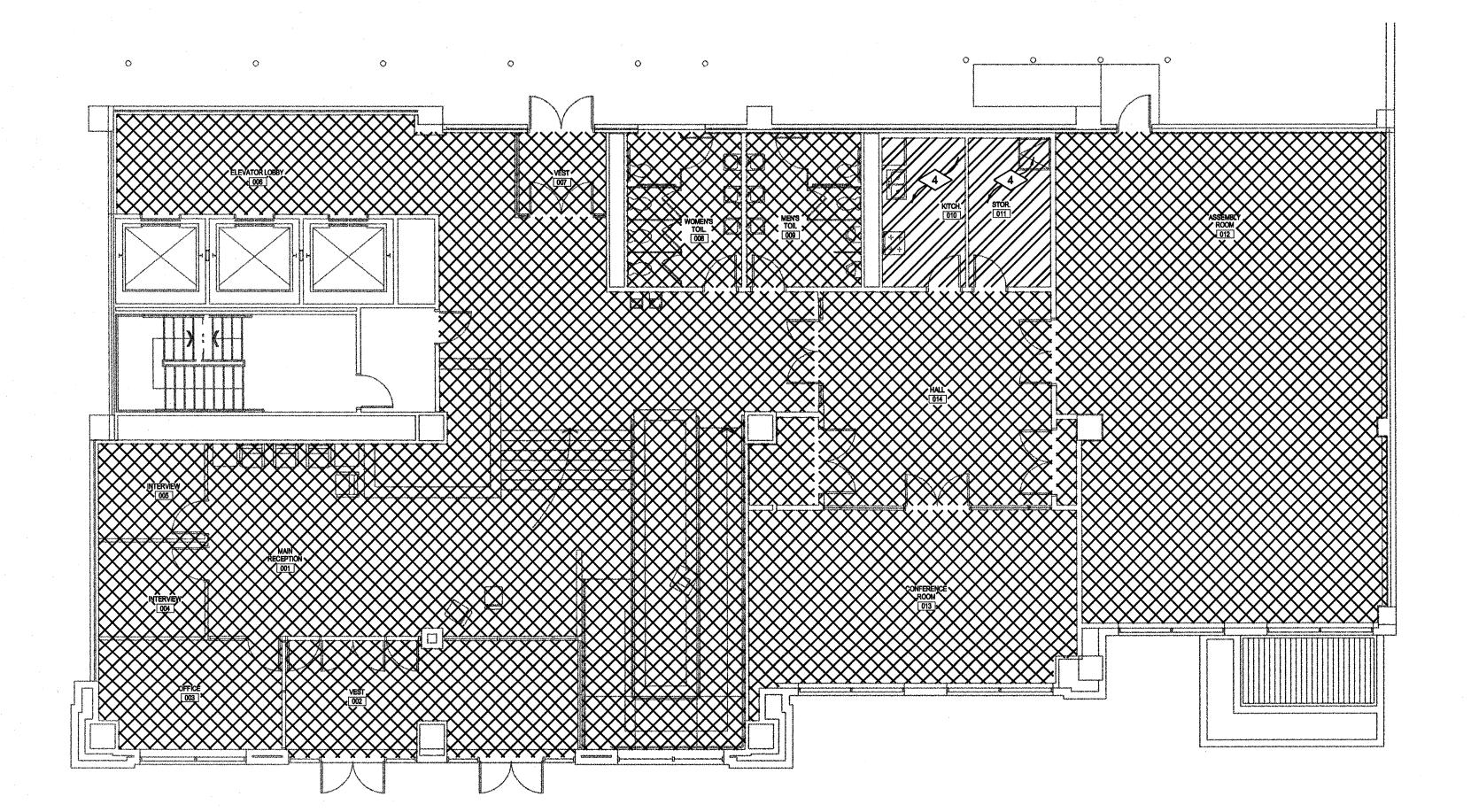
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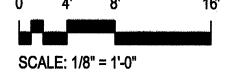


EXISTING FIRE PROTECTION FLOOR PLAN





FIRE PROTECTION FLOOR PLAN



REFERENCE NOTES

PROVIDE NEW HEADS AS REQUIRED. COORDINATE LOCATIONS WITH REFLECTED CEILING PLAN & ALL TRADES.

2 EXISTING FIRE PROTECTION PIPING IN THIS APPROXIMATE

PROVIDE FIRE PROTECTION AT MEZZANINE ABOVE THIS AREA SUPPORTING MECHANICAL AND ELECTRICAL EQUIPMENT.

FIRE PROTECTION FOR THIS AREA TO BE THE LOWER KITCHEN AND STORAGE ROOMS.



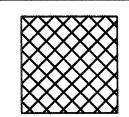
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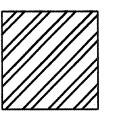


BOARD OF REGENTS CONFERENCE CENT DFCM

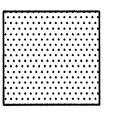
FIRE PROTECTION LEGEND



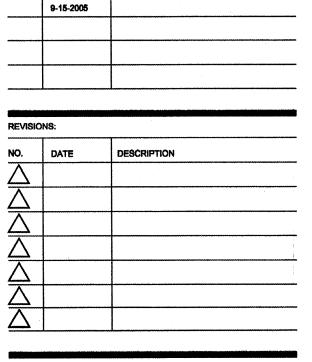
LIGHT HAZARD, GROUP 1, LAY-IN CEILING (SEE ARCHITECTURAL DRAWINGS), FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.



ORDINARY HAZARD, GROUP 1, GYP BOARD CEILING. (SEE ARCHITECTURAL DRAWINGS), FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.



ORDINARY HAZARD, GROUP 1, EXPOSED STRUCTURE. PROVIDE UPRIGHT ROUGH BRASS HEADS. COVERAGE REQUIRED ABOVE & BELOW HVAC EQUIPMENT & DUCTWORK.



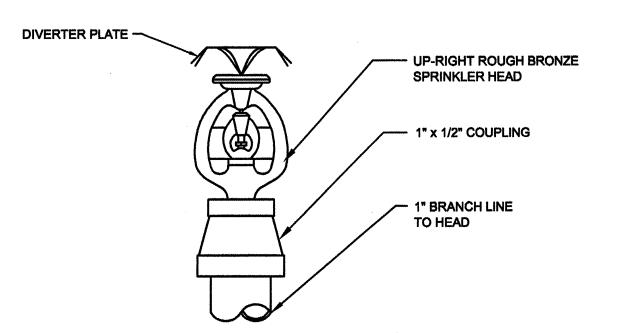
FIRE PROTECTION FLOOR PLAN

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CONCEALED FLUSH TYPE SPRINKLER HEAD DETAIL NOT TO SCALE





UPRIGHT ROUGH BRONZE OR CHROME SPRINKLER HEAD DETAIL

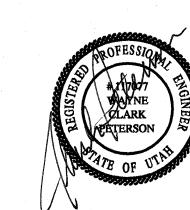
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GENERAL FIRE PROTECTION NOTES

- THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ELECTRICAL, SHEET METAL, PLUMBING, AND CEILING CONTRACTORS TO AVOID ANY CONFLICTS IN PIPE ROUTING OR HEAD LOCATIONS.
- RUN SPRINKLING PIPING AS HIGH AS POSSIBLE IN SPACE ABOVE CEILING AND COORDINATE WITH DUCTWORK.
- 3. FIRE SPRINKLER PLANS SHALL BE APPROVED BY ALL GOVERNING AGENCIES PRIOR TO SUBMITTING PLANS TO THE ARCHITECT.
- 4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE COMPLETE FIRE SPRINKLER SYSTEMS, INCLUDING ALL ITEMS AS REQUIRED OR RECOMMENDED BY ALL GOVERNING AGENCIES.
- FIRE SPRINKLER SYSTEM SHALL COMPLY WITH N.F.P.A. 13, AND ALL **GOVERNING AGENCIES.**
- PIPE SLEEVES THROUGH FIRE-RATED WALLS, PARTITIONS, AND CEILINGS SHALL BE OF FIRE RATED CONSTRUCTION. SPACE BETWEEN PIPE AND SLEEVE SHALL BE PACKED WITH FIREPROOF MATERIAL, U.L. LISTED. (FIRE SHIELDS, INC. MODEL DFB-CS)
- 7. FIRE SPRINKLER HEADS IN INDIVIDUAL ROOMS TO BE RUN IN STRAIGHT LINES AND COORDINATED WITH CEILING AND LIGHTS.
- FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS LOCATION OF PIPING VERY CAREFULLY WITH THE ARCHITECTURAL AND STRUCTURAL PLANS AND AS APPROVED BY THE ARCHITECT.
- HEAD GUARDS TO BE PROVIDED IN ACCORDANCE WITH N.F.P.A.
- 10. FIRE SPRINKLER TEST VALVES TO BE LOCATED IN AREAS CONVENIENT TO MAINTENANCE PERSONNEL, BUT AWAY FROM PUBLIC ACCESS.
- 11. THE UTAH STATE FIRE MARSHALS OFFICE SHALL BE NOTIFIED (IN WRITING) AT LEAST THREE DAYS IN ADVANCE OF THE FOLLOWING:
- HYDROSTATIC TEST AND FINAL INSPECTION OF OVERHEAD SYSTEMS PRIOR TO INSTALLATION OF CEILINGS.
- 12. CONTRACTOR SHALL FIELD VERIFY ALL PIPE LOCATIONS PRIOR TO FABRICATION OF PIPE SYSTEMS.
- 13. FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC ONLY.
- FIRE PROTECTION CONTRACTOR SHALL COORDINATE ROUTING, HANGING AND BRACING WITH ROOF STRUCTURE. ALL FIRE SPRINKLER PIPING SHALL COMPLY WITH THE FOLLOWING.
 - A. ALL PIPING CONCENTRATED LOADS GREATER THAN 100 POUNDS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6 INCHES OF JOIST OR GIRDER PANEL POINTS OR THE JOIST OR GIRDER SHALL BE REINFORCED WITH AN ADDITIONAL WEB MEMBER. REFER TO GENERAL STRUCTURAL NOTES AND THE "TYPICAL DETAIL AT ADDITIONAL CONCENTRATED POINT LOAD" ON THE STRUCTURAL DRAWINGS.
 - B. CONCENTRATED POINT LOADS, SINGLE OR MULTIPLE, TOTALING 100 POUNDS OR LESS CAN BE LOCATED AT ANY POINT ALONG THE BOTTOM CHORD OF AN OPEN WEB JOIST OR GIRDER BETWEEN ADJACENT PANEL POINTS WITHOUT MEETING THE REQUIREMENTS ABOVE. A LIMIT OF (4) CONCENTRATED 100# MAXIMUM POINT LOADS PER JOIST OR GIRDER SHALL BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
 - C. JOIST BRIDGING SHALL NEVER BE USED TO SUPPORT HANGING LOADS.
 - D. BRACING OF FIRE SPRINKLER PIPING TO THE BOTTOM CHORD OF JOISTS OR GIRDERS WILL NOT BE ALLOWED IN ANY INSTANCE. ALL LATERAL BRACES MUST CONNECT CONNECT TO THE TOP FLANGE/TOP CHORD OF THE FRAMING MEMBER ABOVE UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- 15. STEEL ROOF DECKING SHALL NOT BE USED TO SUPPORT LOADS FROM FIRE SPRINKLER ELEMENTS OR EQUIPMENT OF ANY KIND.
- 16. ALL FIRE SPRINKLER PIPING RUNNING IN OCCUPIED AREAS WITH EXPOSED STRUCTURE SHALL RUN WITH SLOPE OF ROOF DECK.
- 17. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ANY CROSSOVERS OR DROPS AT MAIN CORRIDOR TO AVOID CONFLICTS WITH CLEARSTORY. DROPS & CROSSOVER LOCATIONS SHALL BE VERIFIED WITH PROJECT ARCHITECT PRIOR TO INSTALLATION.
- 18. ALL FIRE MAINS SHALL RUN ABOVE AREAS WITH CEILINGS. NO MAINS WILL BE ALLOWED IN OCCUPIED AREAS EXPOSED TO ROOF DECK.
- 19. IN EXPOSED AREAS THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE PIPING & HEAD LOCATIONS WITH HVAC DUCTWORK, DIFFUSERS AND ALL LIGHTING LAYOUT.

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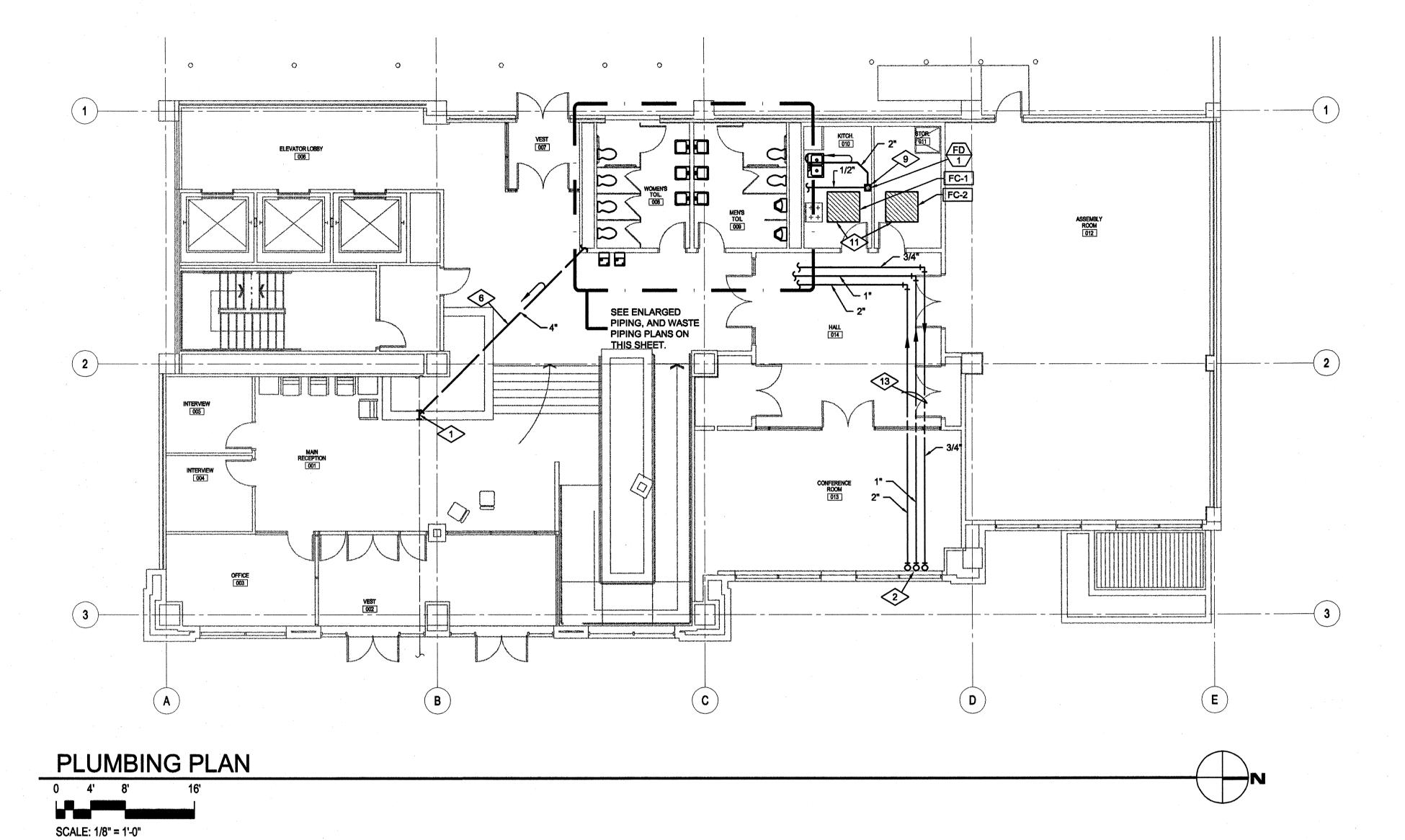


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FIRE PROTECTION NOTES & DETAILS

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CONNECT TO EXISTING WASTE LINE, VERIFY EXACT LOCATION.

CONNECT CW, HW, & HWR TO EXISTING LINES IN APPROXIMATELY THIS AREA IN MECHANICAL ROOM ON FLOOR ABOVE. CUT THROUGH POST TENSION SLAB (SEE STRUCTURAL PLANS FOR PROPER PROCEDURE) TO RUN PIPING TO THIS LEVEL.

3 BALL VALVE. (TYPICAL)

FOR CONTINUATION OF THIS PIPING SEE PLUMBING PLAN ON THIS

5 1/2" TRAP PRIMER PIPING DROP FROM MEZZANINE TO BELOW FLOOR. (TYPICAL OF 2).

6 WASTE PIPING TO RUN AS HIGH AS POSSIBLE BELOW LOBBY IN PARKING LEVEL 2.

7 DROP WASTE PIPING TO LEVEL 2 PARKING. COORDINATE WITH STRUCTURAL PLANS FOR PROCEDURE TO PENETRATE SLAB.

8 CONNECT TO EXISTING VENT LINE, VERIFY EXACT SIZE AND LOCATION.

FLOOR DRAIN ON MEZZANINE ABOVE KITCHEN. COORDINATE EXACT LOCATION WITH STRUCTURAL.

SEE STRUCTURAL PLANS FOR PROPER PROCEDURE TO CUT THROUGH POST TENSION SLAB IN THIS APPROXIMATE LOCATION.

RUN FAN COIL UNIT CONDENSATE DRAIN TO FLOOR DRAIN. DRAIN SHALL BE SAME SIZE AS FAN COIL CONNECTION.

TRAP PRIMER TO BE INSTALLED ON WALL ABOVE. 24" ABOVE MEZZANINE FLOOR. SEE DETAIL 4/PL501.

RUN PIPING AS HIGH AS POSSIBLE ABOVE CEILING.

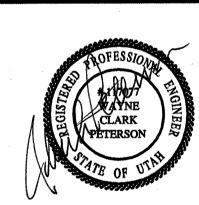
WALL CLEANOUT. SEE DETAIL 1/PL501.



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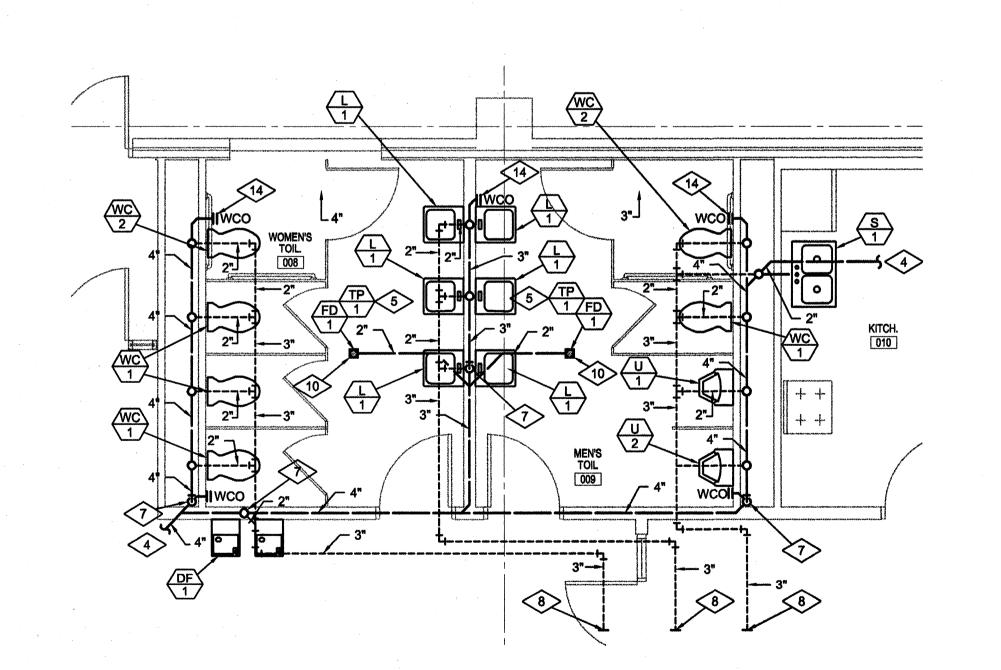
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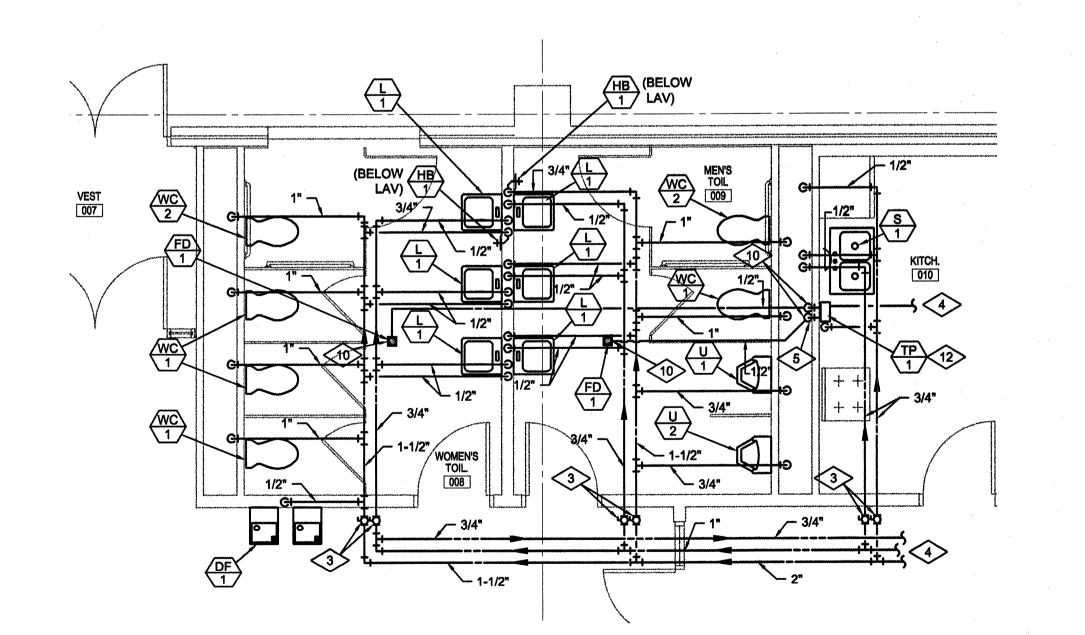
PLUMBING FLOOR
PLAN & ENLARGED
PLANS

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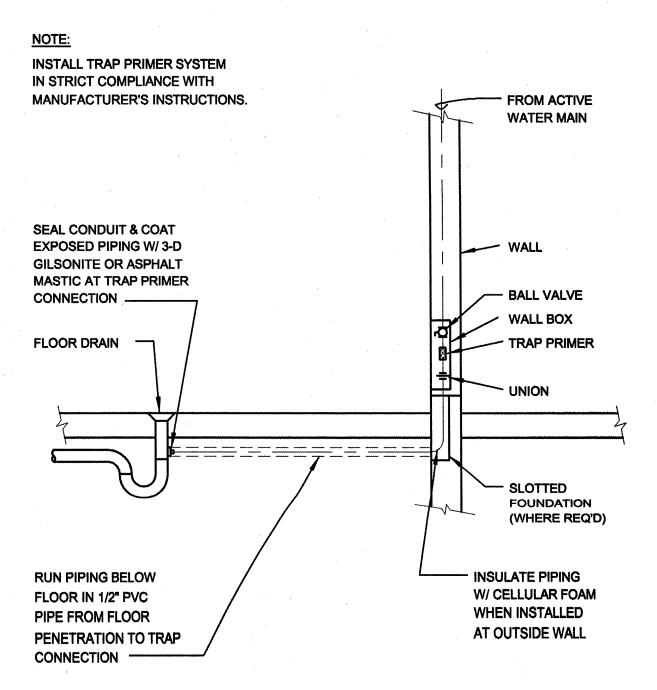
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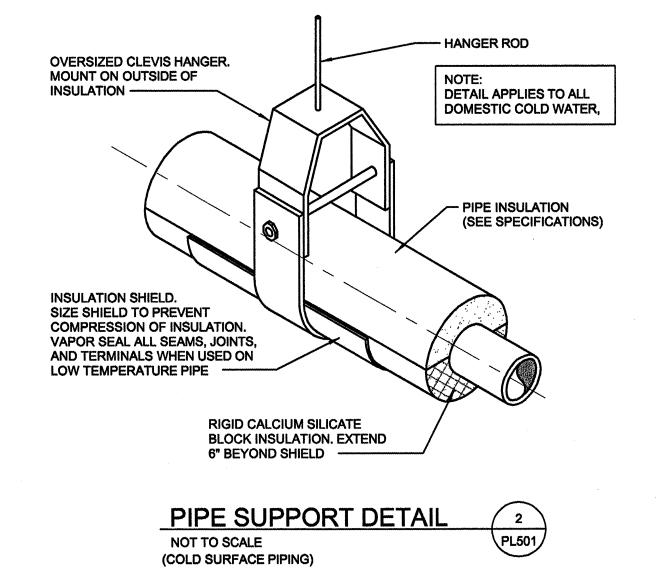


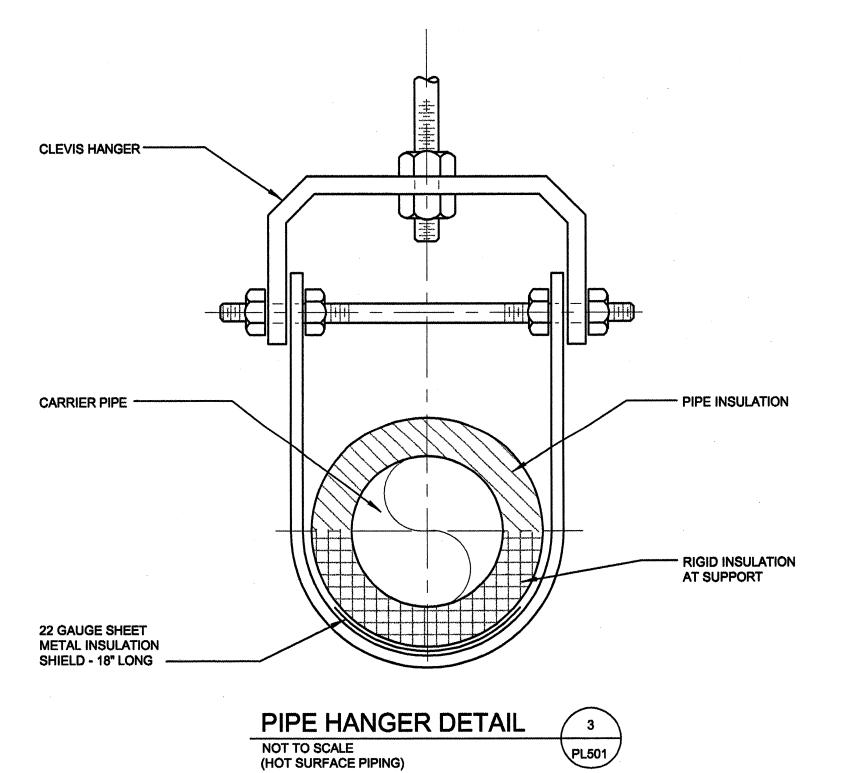
TRAP PRIMER INSTALLATION SCHEMATIC	4
NOT TO SCALE	PL501

BRANCH WATER LINE SCHEDULE									
FIXTURE	FIXTURE	TOTAL Q	TOTAL QUANTITY OF FIXTURES SERVED BY A GIVEN PIPE SIZE						
FIATURE	UNITS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"		
WATER CLOSET	10			1	2	3	8		
URINAL	5		1	2	3	6	20		
LAVATORY	2	1	3	5	7	15	50		
SINK	2	1	3	5	7	15	50		
KITCHEN SINK	2	1	3	5	7	15	50		
DRINKING FOUNTAIN	1	2	6	10	15	30	•••		
HOSE BIBB	3		1	3	5	10	33		
TOTAL FIXTURE UNITS SERVED BY PIPE SIZE		2	6	10	15	30	100		

NOTE:	
A 415 115 41	

MINIMUM PIPE SIZE TO ANY FIXTURE TO BE 1/2". WHERE PIPE SIZE IS SHOWN ON DRAWINGS, IT SHALL BE FOLLOWED. IN THE EVENT PIPE SIZES ARE NOT SHOWN, THE SIZE OF ANY BRANCH LINE SHALL BE DETERMINED BY USING THIS TABLE. FIND SUM OF TOTAL FIXTURE UNITS ON BRANCH LINE, THEN REDUCE TOTAL BY SUBTRACTING OFF INDIVIDUAL FIXTURE UNITS FOR EACH SUCCESSIVE FIXTURE ALONG THE BRANCH LINE.



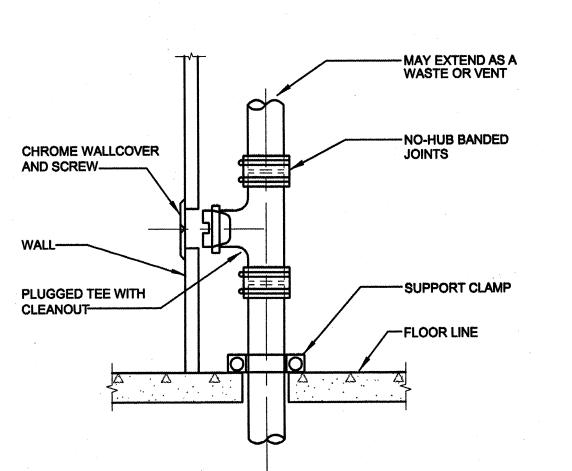


	PLU	JMBIN	IG FI	XTUI	RE S	CHEDULE	
SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	NOTES	(1)
(WC)	WATER CLOSET	4"	2"	1"		WALL MOUNTED - AUTO FLUSH	
WC 2	WATER CLOSET	4"	2"	1"		WALL MOUNTED - AUTO FLUSH (ADA)	
$\left\langle \begin{array}{c} \overline{U} \\ 1 \end{array} \right\rangle$	URINAL	2"	2"	3/4"		WALL MOUNTED - AUTO FLUSH	
$\left\langle \frac{U}{2} \right\rangle$	URINAL	2"	2"	3/4"		WALL MOUNTED - AUTO FLUSH (ADA)	
$\left\langle \frac{L}{1} \right\rangle$	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG W/ SENSOR FAUCET (ADA)	
$\frac{\overline{S}}{1}$	SINK	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER MOUNTED BREAKROOM	
DF 1	DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"		DUAL LEVEL - ELECTRIC 120/1/60	-
(HB)	HOSE BIBB			3/4"		MOUNT BELOW LAVATORY W/ VACUUM BREAKER	
FD 1	FLOOR DRAIN	2"				WITH DEEP SEAL P-TRAP AND TRAP PRIMER CONNECTION	
(P)	TRAP PRIMER			1/2"	-		

(1) CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES AND DRAINS WITH ARCHECTURAL DRAWINGS PRIOR TO ROUGH-IN OR INSTALLATION.

PLUMBING PIPING LEGEND

DESCRIPTION	SYMBOL
WASTE (BELOW GRADE)	
VENT	ear can ago gan also any man ann ann ann ann ann ann ann ann ann
COLD WATER	
HOT WATER (120 DEG.F.)	
HOT WATER RECIRCULATING (120 DEG.F.)	



WALL CLEANOUT DETAIL 14-107 PL501 NOT TO SCALE

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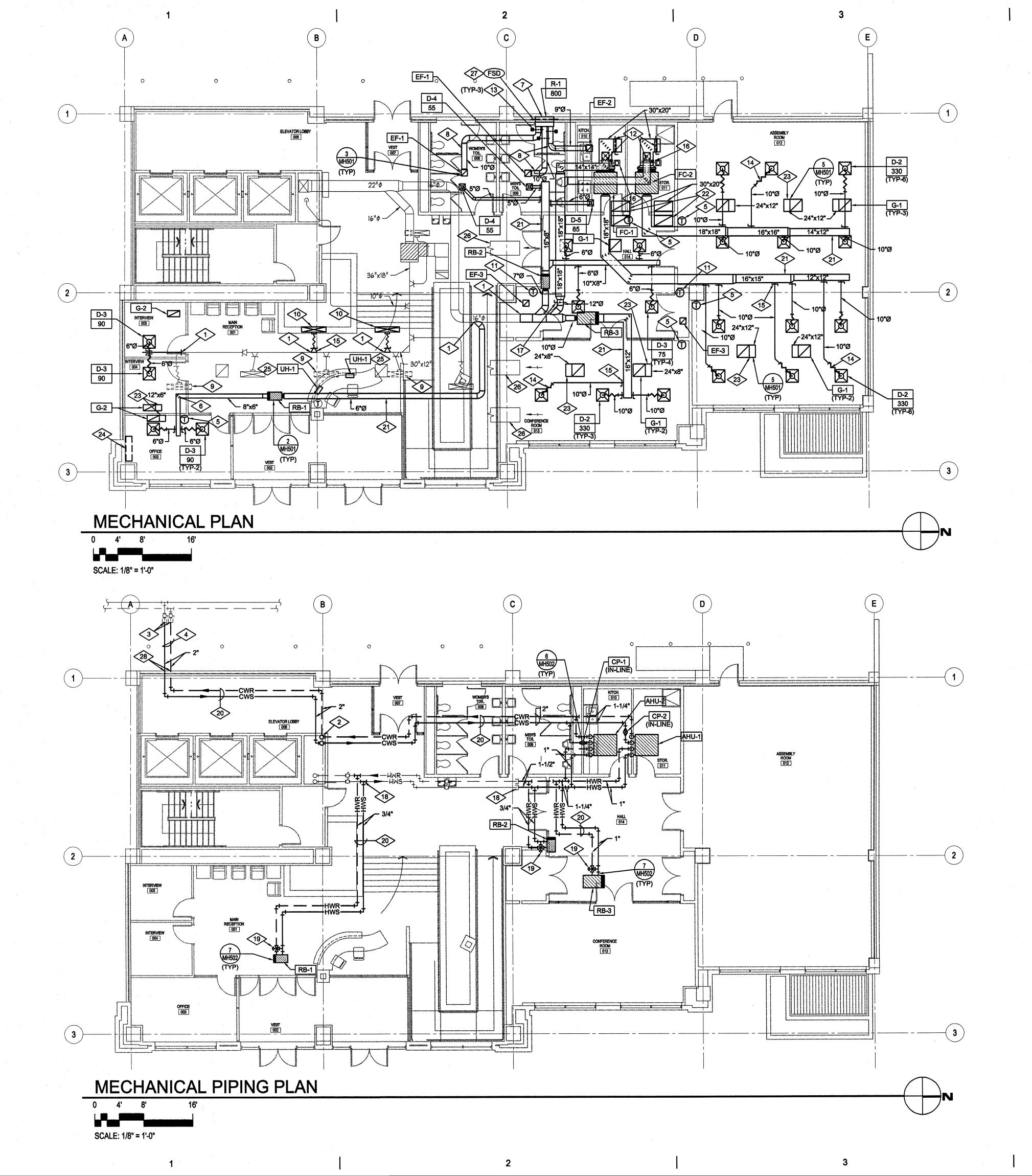




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PLUMBING SCHEDULE & DETAILS

PL501



REFERENCE NOTES

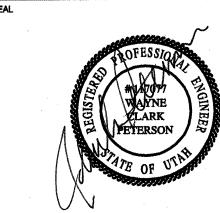
- TIE INTO EXISTING DUCTWORK, VERIFY EXACT SIZE AND LOCATION.
- CHILLED WATER LINES TO RISE TO UP TO 5TH PARKING LEVEL.
- TIE INTO CAPPED EXISTING CHILLED WATER TEES ON 5TH PARKING LEVEL, VERIFY EXISTING SIZE AND LOCATION.
- PIPING TO RUN AS HIGH AS POSSIBLE ON 5TH PARKING LEVEL, MUST RUN ABOVE ANY OTHER EXISTING PIPING.
- HEATING/COOLING THERMOSTAT. MOUNT AT 48" A.F.F. (TYPICAL)
- TURNING VANES. (TYPICAL)
- CORE CUT EXISTING WALL, PENETRATION TO BE AS HIGH AS POSSIBLE ON THE 4TH LEVEL PARKING, VERIFY EXACT LOCATION.
- DUCTWORK TO RUN AS HIGH AS POSSIBLE AGAINST STRUCTURE.
- REMOVE EXISTING DIFFUSER AND ASSOCIATED DUCTWORK. CAP DUCT AT MAIN.
- RELOCATE EXISTING DIFFUSER IN THIS APPROXIMATE LOCATION COORDINATE WITH LIGHTING AND REFLECTED CEILING PLAN.
- COOLING ONLY THERMOSTAT TO CONTROL EXHAUST FAN.
- PROVIDE MOTORIZED DAMPER TO INTERLOCK WITH FAN COILS. SEE
- PROVIDE MOTORIZED DAMPER TO INTERLOCK WITH EXHAUST FANS. SEE DETAIL 4/MH501.
- FLEXIBLE DUCTWORK (TYPICAL).
- HIGH EFFICIENCY TAKE-OFF FITTING WITH VOLUME CONTROL BALANCING DAMPER (TYPICAL). SEE DETAIL 5/MH502.
- 16 FIRE SMOKE DETECTOR TO BE FURNISHED AND INSTALLED BY DIVISION 16.
- MANUAL BALANCING DAMPER.
- TIE INTO EXISTING HEATING WATER PIPING AT APPROXIMATELY THIS LOCATION. REPAIR INSULATION AT TIE-IN.
- 3-WAY CONTROL VALVE. (TYPICAL)
- PIPING TO RUN ABOVE CEILING. COORDINATE ROUTING WITH EXISTING STRUCTURE AND ALL TRADES.
- DUCTWORK TO RUN ABOVE CEILING. COORDINATE ROUTING WITH EXISTING STRUCTURE AND ALL TRADES.
- TRANSFER AIR DUCT. SEE DETAIL 1/MH501. (TYPICAL)
- PROVIDE SOUND BOOT ON CEILING RETURN AIR GRILLE. (TYPICAL)
- REMOVE EXISTING CABINET HEATER AND ALL ASSOCIATED PIPING AND CONTROLS. VERIFY EXACT LOCATION.
- 25 UNIT HEATERS SHALL BE INSTALLED IN EXISTING FLOOR. COORDINATE EXACT LOCATION WITH THE RECEPTION DESK.
- EXISTING RETURN AIR DUCT TO REMAIN. VERIFY EXACT LOCATION.
- CORE DRILL EXISTING WALL, FIRE CAULK 2 HOUR.



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MECHANICAL FLOOR PLAN

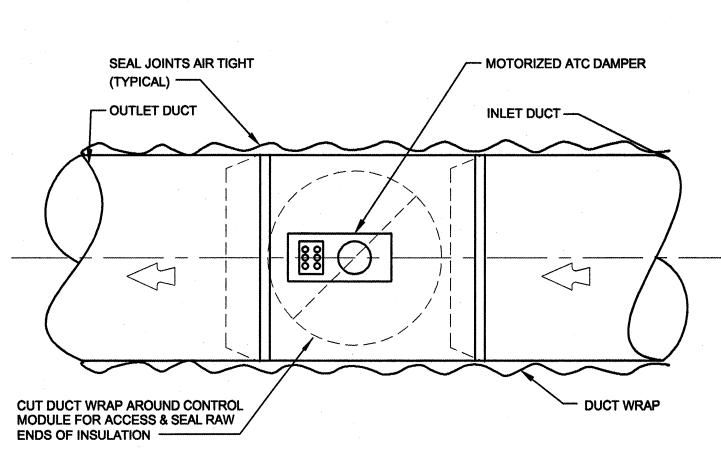
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		Н	ITG. CAP. B	TUH		EXT.		CLG. CAP.			MOTOR		MANUFACTURER
SYMBOL	ARRANG.	TOTAL MBH	P.D./FT.	GPM	CFM	S.P.	TOTAL MBH	P.D./FT.	GPM	H.P.	ELECT.	SPEED	MODEL NUMBER
FC-1	HORIZONTAL	139.0	.8	5.2	2000	.75"	56.5	5.4	13.0	1	1 H.P. 208-230/3/60	985	MAGIC AIRE 60 HBAW-4
FC-2	HORIZONTAL	139.0	.8	5.2	2000	.75"	56.5	5.4	13.0	1	1 H.P. 208-230/3/60	985	MAGIC AIRE 60 HBAW-4

NOTES:

(1) COOLING CAPACITIES BASED ON 50°F EWT, 80°F db, 67°F wb.

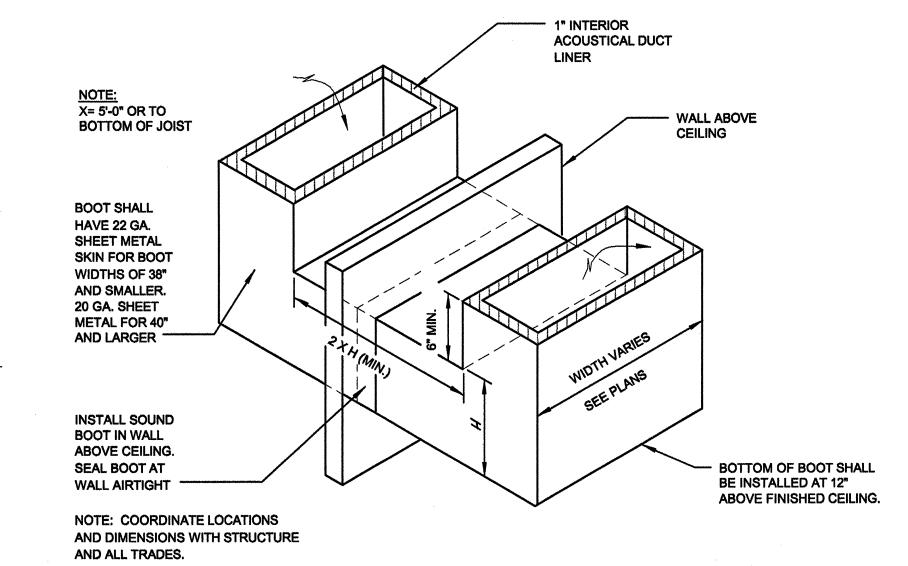
(2) HEATING CAPACITIES BASED ON 180°F EWT.



MOTORIZED DAMPER INSTALLATION DETAIL

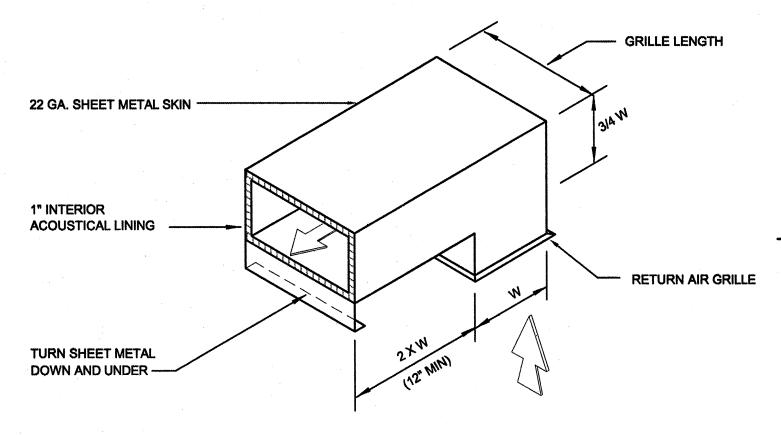
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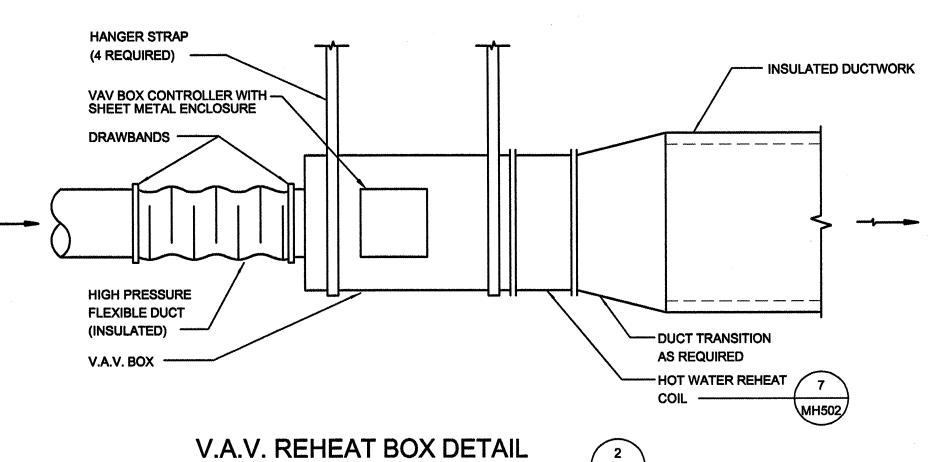


RETURN AIR SOUND BOOT DETAIL

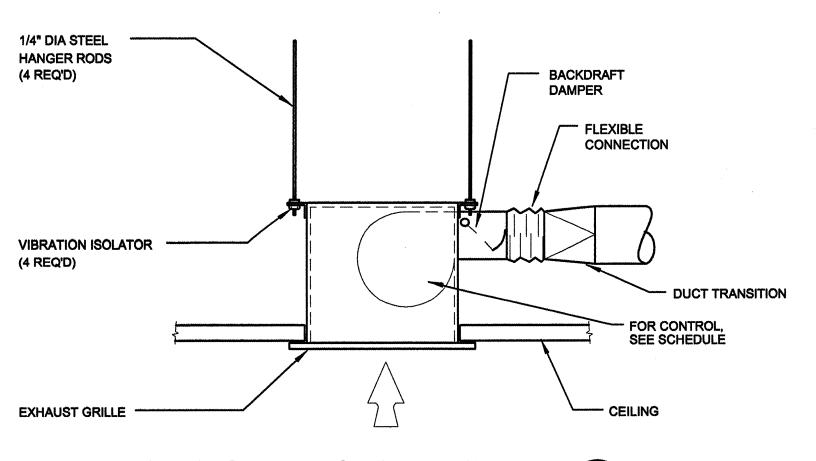
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SOUND BOOT DETAIL 5
NOT TO SCALE 6-133 MH501



MH501



CEILING EXHAUST FAN DETAIL

NOT TO SCALE

MH501

VAV REHEAT BOX SCHEDULE HEATING RE-HEAT COIL (2)
CFM MBH GPM ROWS W.P.D. COIL SIZE MAX CFM RANGE MIN. CFM MAKE & MODEL 2 |.06 FT | 10" x 10" **TUTTLE & BAILEY SDVP** 6" DIA. 100-400 2 .21 FT 12" x 12" 12.0 1.2 **TUTTLE & BAILEY SDVP** RB-2 400-600 200 7" DIA. TUTTLE & BAILEY SDVP 600 35.7 3.6 14" x 14" 10" DIA.

IOTES:

- (1) VAV AND COIL CONTROL SHALL BE ACCESSED FROM SAME SIDE OF BOX. SEE PLAN FOR RIGHT OR LEFT HAND COIL CONNECTIONS. COORDINATE WITH CONTRACTOR.
- (2) CAPACITIES BASED ON 55 DEG.F. ENTERING AIR TEMP., 180 DEG.F. ENTERING WATER TEMP WITH 20 DEG.F. WATER TEMP. DROP.

	PUMP SCHEDULE											
SYMBOL	YMBOL TYPE SYSTEM LOCATION G.P.M. FT. OF HEAD MOTOR MIN. EFF. MAKE & MODEL											
CP-1	INLINE	CHILLED	FC-1	13.0	25	1/2 H.P. 120/1/60	40%	BELL & GOSSETT 60	(1)(2)			
CP-2	INLINE	CHILLED	FC-2	13.0	25	1/2 H.P. 120/1/60	40%	BELL & GOSSETT 60	(1)(2)			

NOTES:

(1) PUMP TO BE SIZED FOR 50°F WATER.

(2) PUMPS TO BE NON-OVERLOADING TYPE.

		ELEC	TRIC	HEATER	R SCHI	EDULE	
SYMBOL	TYPE	DIMENSION	ELECT.	WATTS	AMPS	BTU'S	MAKE & MODEL
UH-1	HEAVY DUTY WALL HEATER	14-1/8"L x 7-1/4"W	110	750	6.25	2560	MARKEL FH15 (1)

NOTES: (1) TO COME COMPLETE WITH INTEGRAL THERMOSTAT.

		REGISTER	& GRILLE SC	HEDULE	
SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL	
R-1 CFM	36"x14"	WALL.	EXHAUST	TITUS 33RFL	(2)
G-1	24"x24"	CEILING	RETURN	TITUS	(1)
G-2	12"x24"	CEILING	RETURN	TITUS	(1)

NOTES:

- (1) COLOR AND FINISH TO MATCH CEILING GRID, COORDINATE WITH ARCHITECT. SUPPLIER OF REGISTERS AND GRILLES SHALL COORDINATE WITH REFLECTED CEILING PLANS TO DETERMINE PROPER FRAMES.
- (2) ALL REGISTERS TO BE C/W OPPOSED BLADE VOLUME CONTROL DAMPER.

		DI	FFUSER S	CHEDULE		
SYMBOL	TYPE	NECK SIZE	LOCATION	AIR PATTERN	MAKE & MODEL	(1) (2)
D-1 CFM	SUPPLY	8°Ø	CEILING	4-WAY	TITUS TMS	
D-2 CFM	SUPPLY	10 " Ø	CEILING	4-WAY	TITUS TMS	
D-3 CFM	SUPPLY	6 " Ø	CEILING	4-WAY	TITUS TMS	
D-4 CFM	SUPPLY	5 " Ø	CEILING	4-WAY	TITUS TDC	
D-5 CFM	SUPPLY	6 " Ø	CEILING	4-WAY	TITUS TDC	

NOTES:

- (1) DIFFUSER SUPPLIER SHALL COORDINATE W/ REFLECTED CEILING PLANS TO DETERMINE TYPE
- (2) COLOR & FINISH TO MATCH CEILING GRID. COORDINATE WITH ARCHITECT.

	EXHAUST FAN SCHEDULE										
SYMBOL	TYPE	C.F.M	S.P.	R.P.M.	MOTOR	DRIVE	MAKE & MODEL				
EF-1	CEILING	300	.5"	905	120/1/60 212 WATTS	DIRECT	TWIN CITY T300	(1)(2)			
EF-2	CEILING	200	.5"	740	120/1/60 127 WATTS	DIRECT	TWIN CITY T200	(1)(3)			
EF-3	CEILING	100	.5"	650	120/1/60 87 WATTS	DIRECT	TWIN CITY T100	(1)(4)			

NOTES:

- (1) CEILING MOUNTED EXHAUST FANS TO BE COMPLETE WITH BACKDRAFT DAMPERS AND FLEXIBLE CONNECTION
- BACKDRAFT DAMPERS AND FLEXIBLE CONNECTION
- (2) FAN TO SWITCH W/LIGHTS. (INTERLOCK BY DIV 15900) ON DISCHARGE DUCT.

 (3) FAN TO BE CONTROLLED WITH WALL SWITCH.
- (4) FAN TO BE CONTROLLED WITH COOLING THERMOSTAT.

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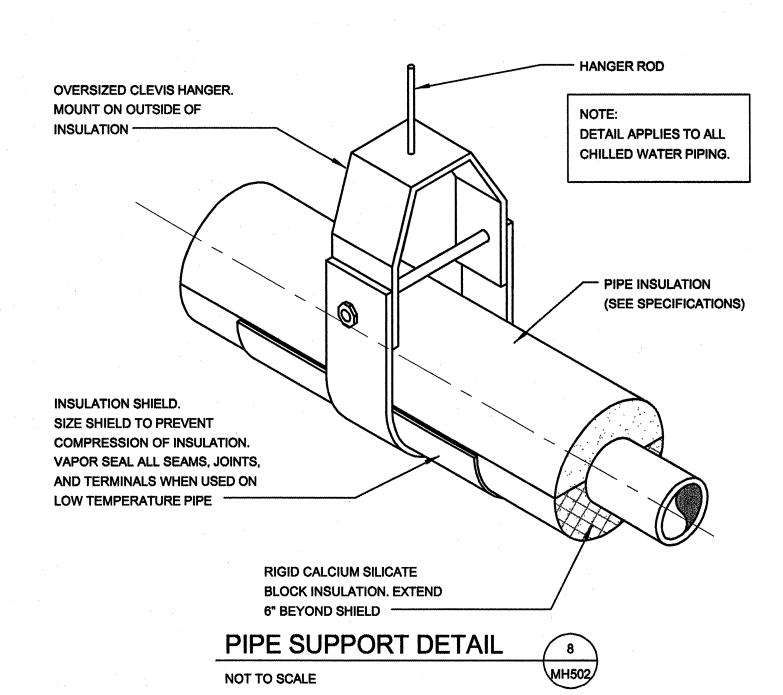
MECHANICAL SCHEDULE & DETAILS

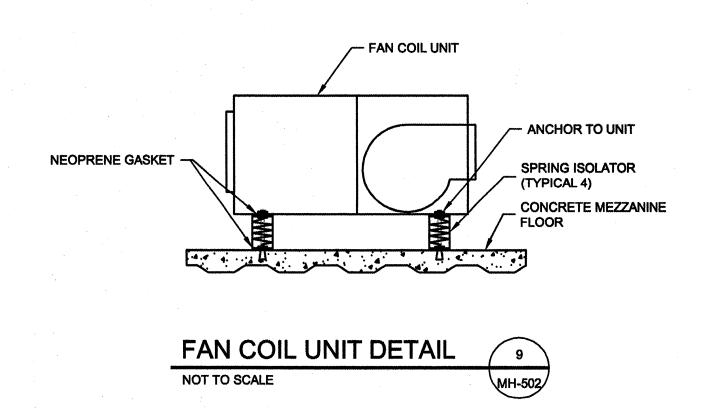
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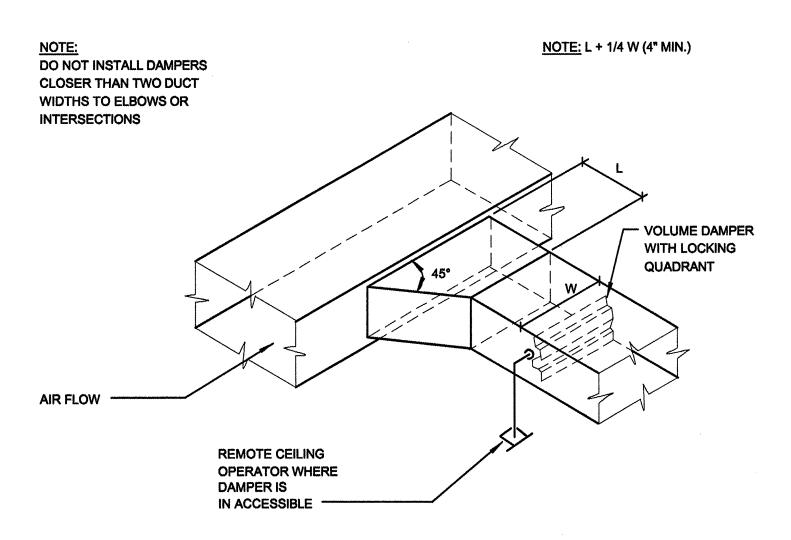
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NOT TO SCALE

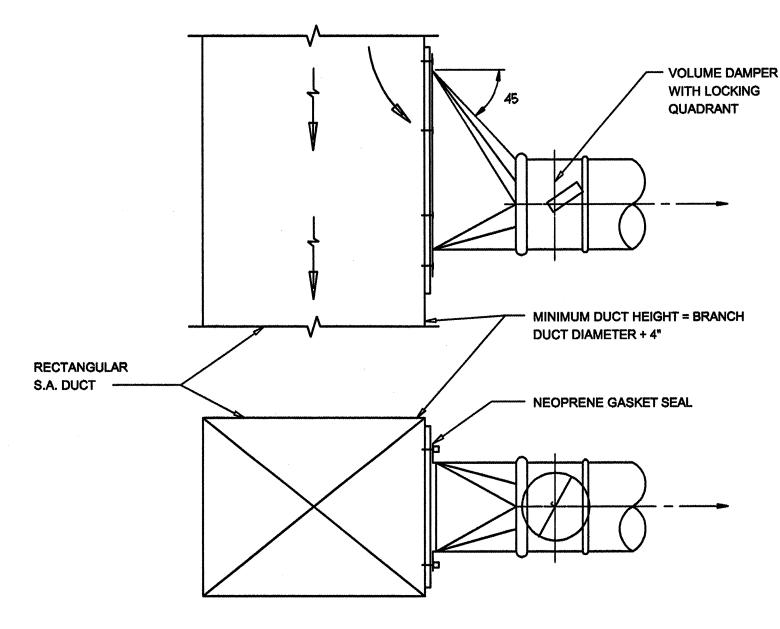


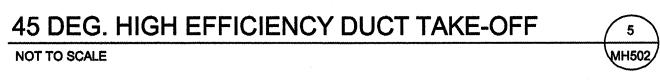


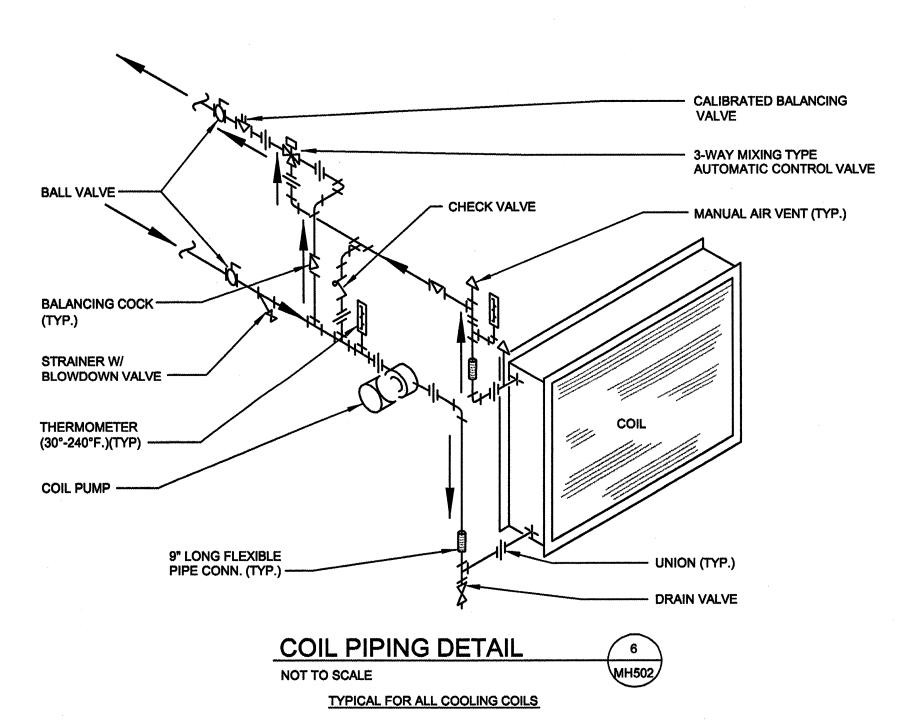




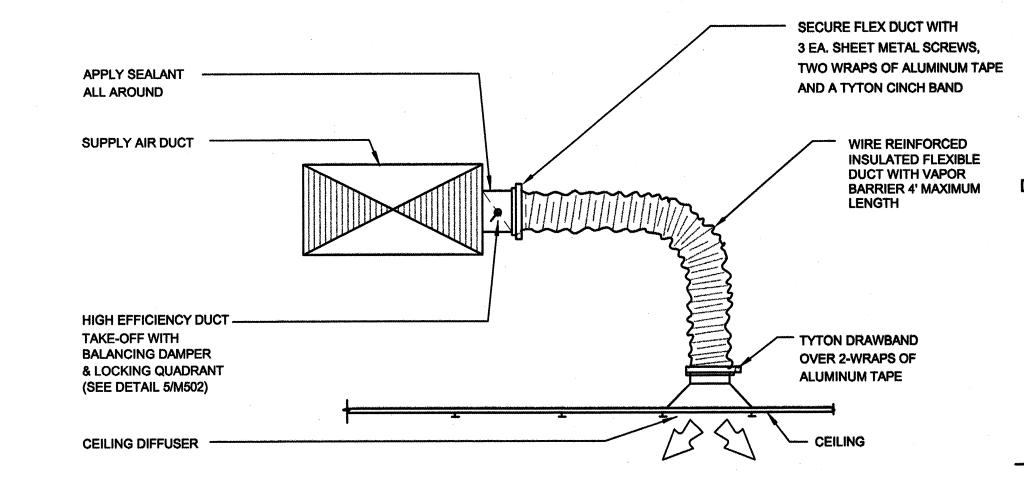




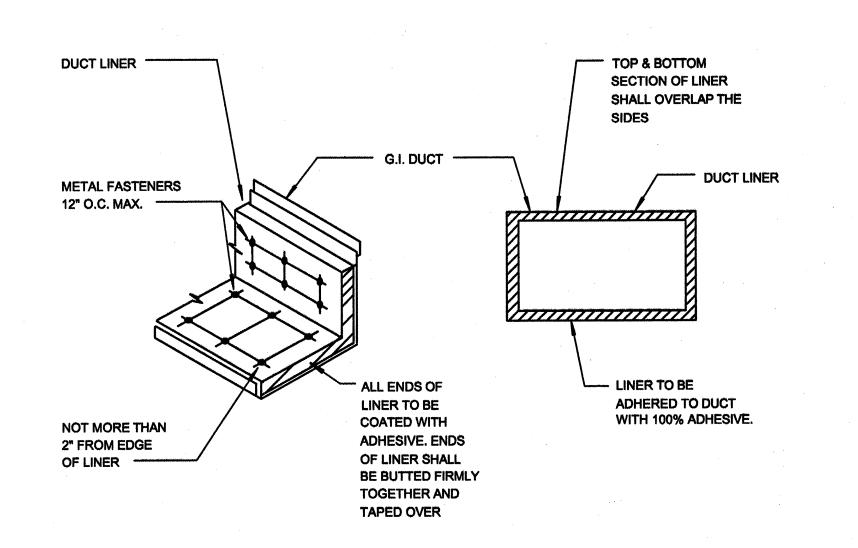




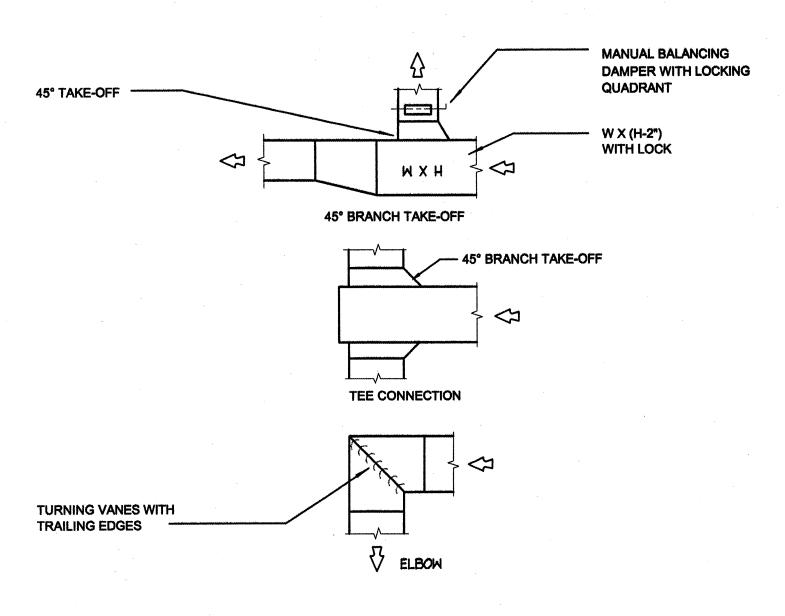
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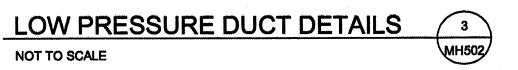










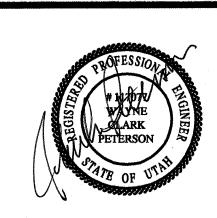




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NFERENCE CENTICAL COUTH 400 WEST



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MECHANICAL DETAILS

MH502

	T				
PE	DESCRIPTION		LAMP(S) AND BALLASTS	INPUT (VA)	MANUFACTURER(8)
1	DESCRIPTION: SIZE:	PENDANT LINEAR INDIRECT FLUORESCENT 9 IN X 3 IN X LENGTH SHOWN ON PLANS	(2) F32T8/735/ALTO ELECTRONIC	62 PER	CORELITE AP-WP-2T8-1C-120-AC18-T1-8'EC
	MOUNTING:	ADJUSTABLE AIRCRAFT CABLE - 48 IN	277 VOLT	4 FT	ALERA
	HOUSING: REFLECTOR:	ONE PIECE COLD ROLLED STEEL DIE FORMED, WHITE, MIN. 85% REFLECTANCE		LENGTH	IDC-2T8-PERF-CM18-EB8120-MW- 8-GLR
	FINISH: OTHER:	BAKED WHITE ENAMEL			
3	DESCRIPTION:	INITIAL SUSPENSION 36 INCH BELOW CEILING RECESSED 1' X 4' FLUORESCENT TROFFER	(2) F32T8/735/ALTO	62	METALUX
	SIZE: HOUSING:	12 IN. X 48 IN. STEEL	ELECTRONIC 277 VOLT		FC8-232A12.125-120V-GL-EB81-U
	FINISH:	BAKED WHITE ENAMEL	2// VOLI		4PS14-232F-FSA12.125-EB8120-GLR
	LENS: LENS DOOR:	.125" THICK, PATTERN #12, PRISMATIC ACRYLIC. FLUSH STEEL			
	MOUNTING: DESCRIPTION:	RECESSED	(T) 57070 /775 (ALTO	0.7	APPALLIN
3	SIZE:	RECESSED 2' X 4' FLUORESCENT TROFFER 12 IN. X 48 IN.	(3) F32T8/735/ALTO ELECTRONIC	93	METALUX 2GC8-332A12.125-120V-GLEB81-U
	HOUSING: FINISH:	STEEL BAKED WHITE ENAMEL	277 VOLT		COLUMBIA 4PS24-332G-FSA12.125-EB8120-GLR
	LENS:	.125" THICK, PATTERN #12, PRISMATIC ACRYLIC.			1 321 3026 1 3A12.123 EB0120 GEN
	LENS DOOR: MOUNTING:	Flush Steel. Lay-in			
-	DESCRIPTION: SIZE:	RECESSED 2'X2' FLUORESCENT INDIRECT BASKET 24 IN. X 24 IN.	(3) F17T8/735/ALTO ELECTRONIC	93	METALUX 2RDI-217RP-120V-GL-EB8-U
	HOUSING:	DIE-FORMED STEEL	120 VOLT		COLUMBIA
	FINISH: SHIELDING:	BAKED WHITE ENAMEL PERFORATED METAL BASKET W/ ACRYLIC OVERLAY			STR22-217G-MPO-EB8120-GLR
	OTHER:	TENEROUSE MENTE STORE WY NORTHER STEELS			
	DESCRIPTION:	DECORATIVE BOWL	(3) F39W BIAX/735	150	VISA
	SIZE: HOUSING:	30 " WIDE BY 42" OVERALL HEIGHT HEAVY GAUGE SPUN METAL TRIM	ELECTRONIC 277 VOLT		CP3146-3F39-(120)-CBA-OAH WINONA
	FINISH:	SATIN NICKLE, OR OTHER METAL FINISH CBA	2// VOLI		
	LENS: DISTRIBUTION:	HAND PAINTED ALABASTER ALTERNATIVE 1 LAMP DOWN, 2 LAMPS UP			OR APPROVED
	OTHER:	FUSED			
	DESCRIPTION:	HIGH PERFORMANCE COVE FIXTURE, ADJUSTABLE	(2) F32T8/735/ALTO	62	AMETRIX/AMET
	SIZE:	8-5/8 INCH BY 3-3/8 INCH HIGH	ELECTRONIC		CT-SN-2T8-1D-277V-X-PLUS 5
	ADJUSTMENT: HOUSING:	20 DEGREE MAX, THREE SHOULDERS 24 GA STEEL	5% DIMMING 277 VOLT		LEDALITE
	FINISH: OPTICS:	WHITE			2818-T02E-N-04-3-2-E(DIM)-W
	OPTICS: OTHER:	SPECULAR ALUMINUM, PLUS WHITE STEEL FUSED, INTERLOCKING MODULES			OR APPROVED
]	DESCRIPTION:	FACTORY PREWIRED CONNECTORS RECESSED COMPACT FLUORESCENT DOWNLIGHT	(1) 26W TT/835/ALTO	31	COOPER/PORT-FLUOR
	SIZE:	6 IN. NOMINAL APERTURE	VERTICAL	اد	PD6-V142E-6VWB
	TRIM FINISH:	SELF FLANGED WHITE BAFFLE	ELECTRONIC MT 26/32 120 VOLT	-	PRESCOLITE
	MOUNTING:	RECESSED, FLANGE			CFT626EB-WTF606-FSDFA
	OTHER:	FUSED			OR APPROVED
	DESCRIPTION:	RECESSED COMPACT FLUORESCENT DOWNLIGHT	(1) 32W TT/835/ALTO	39	COOPER/PORT-FLUOR
	SIZE: TRIM FINISH:	6 IN. NOMINAL APERTURE SELF FLANGED	VERTICAL ELECTRONIC	Table 1	PD6-V142E-6VWB
	REFLECTOR: MOUNTING:	WHITE BAFFLE RECESSED, FLANGE	5% DIMMING 120 VOLT		PRESCOLITE CFT632EB-WTF606-B6-FSDFA
	MOUNTING: OTHER:	RECESSED, FLANGE FUSED, BAR HANGERS	IZU YULI		
(DESCRIPTION:	RECESSED COMPACT FLUORESCENT DOWNLIGHT	(2) 26W QUAD CF	58	OR APPROVED PORTFOLIO
`	SIZE:	6 IN. NOMINAL APERTURE	HORIZONTAL.		C7226E-7250LI
	TRIM FINISH: REFLECTOR:	SELF FLANGED CLEAR SEMI-DIFFUSE LOW IRIDESCENT.	ELECTRONIC 277 VOLT		PRESCOLITE CFR826UEB
	MOUNTING:	RECESSED, FLANGE	277 VOLI		
	OTHER:	FUSED, BAR HANGERS			OR APPROVED
-	DESCRIPTION:	RECESSED SLOT MULTIPLE DOWNLIGHT, ADJUSTABLE 8" WIDE X 22" LONG X 8" HIGH	(3) MRC16 50W SPOT	150	RSA
	SIZE: TRIM:	RECTANGULAR, SEGMENTED TRIM, BLACK INTERIOR	MAGNETIC TRANS.		CO316S-WH-BK-75-YK-ELC-120 PRESCOLITE
	LAMPING: FINISH:	MR16 LOW VOLTAGE LAMPS, INTEGRAL TRANSFORMER ZET FINISH, BLACK INTERIOR			MLSMR3-120V-EB-FSDFA-PL-TFSS3-LV19
	LENS ACCESSORY:	SOFTENING LENS			OR APPROVED
	TRANSFORMER: OTHER:	120V: 12V, 75 WATT MAX, MAGNETIC ONLY, ENCAPSOLATED FUSED			
Ŋ	DESCRIPTION:	RECESSED COMPACT FLUORESCENT DOWNLIGHT	(1) 42W Π	50	COOPER/PORT-FLUOR
	SIZE: TRIM FINISH:	8 IN. NOMINAL APERTURE SELF FLANGED	VERTICAL ELECTRONIC		C70421D42-7000B-HB26
	REFLECTOR:	BLACK ALZAK	5% DIMMING		PRESCOLITE
	MOUNTING: OTHER:	RECESSED, FLANGE FUSED	120 VOLT		CFT842EB-DM-WTF807-B24-FSDFA
M	DESCRIPTION:		/4\ 20W TT	39	OR APPROVED
N	SIZE:	RECESSED COMPACT FLUORESCENT DOWNLIGHT 8 IN. NOMINAL APERTURE	(1) 32W TT VERTICAL	29	COOPER/PORT-FLUOR C70421D32-7000B-HB26
	TRIM FINISH: REFLECTOR:	SELF FLANGED BLACK ALZAK	ELECTRONIC 5% DIMMING		PRESCOLITE
	MOUNTING:	RECESSED, FLANGE	120 VOLT		CFT832EB-DM-WTF807-B24-FSDFA
	OTHER:	FUSED			
)	DESCRIPTION:	FLUORESCENT FIXTURE	(1) F32T8/735/ALTO	31	COOPER/METALUX
	SIZE: HOUSING:	4' X 4-7/8" W X 4" H STEEL	ELECTRONIC 277 VOLT		BC-132-277V-EB81
	FINISH:	BAKED WHITE ENAMEL			COLUMBIA
	LENS: OTHER:	WHITE ACRYLIC FUSED			AD4-132-EB8-277-GLR OR APPROVED
1	DESCRIPTION:	CABLE LIGHTING KIT	SEE T2	300 WATT	TRANSLITE SONOMA/TRAN
	SIZE: TRANSF. HOUSING:	DUAL #10 GUAGE BARE METAL CABLE REMOTE TRANSFORMER, IN CEILING	277 VOLT: 12 VOLT		CA-505-TN/CA-306-AL/CA-509-AL/TSQ-3
	TRANSF. FINISH:	BLACK			TECH LIGHTING 700KLKTA300-277V
	CABLE FINISH: CABLE SPACING	BARE METAL 5"			
	ACCESSORIES: MOUNTING:	UNIVERSAL TURNBUCKLES, TWO PAIR			OR APPROVED
2	DESCRIPTION:	TRACK FIXTURES	(1) 50W MR16 NFL	50	TRANSLITE SONOMA/TRAN
	SIZE: HOUSING:	5.5" X 3.5" H ADJUSTABLE 140 DEGREES WITHIN RING			DEM-CA4-AL
	FINISH:	SATIN ALUMINUM			TECH LIGHTING 700KHELLO-5-140MR16SF
	LENS:	GLASS SOFTENING LENS			OR APPROVED
	DESCRIPTION:	UNIVERSAL L.E.D. SINGLE FACED EXIT SIGN	GREEN L.E.D.	10	SURE-LITES
(1	SIZE:	8 IN. X 12 IN. X 2 IN. NOMINAL	277 VOLT		CX61GW
(1	HOUSING:	DIE CAST ALUMINUM WHITE			PRESCOLITE DMX1GAW
(1		DIRECTIONAL ARROWS (SEE DRWGS FOR APPLICATION)			
(1	FINISH: ACCESSORIES:		GREEN L.E.D.	10	SURE-LITES
	FINISH: ACCESSORIES: MOUNTING:	UNIVERSAL (SEE DRAWINGS FOR APPLICATION) UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN	; Tribula Tribule	.0	CX62GW
	FINISH: ACCESSORIES: MOUNTING: DESCRIPTION: SIZE:	UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN 8 IN. X 12 IN. X 2 IN. NOMINAL	277 VOLT		
(1	FINISH: ACCESSORIES: MOUNTING: DESCRIPTION:	UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN			PRESCOLITE DMX2GAW
	FINISH: ACCESSORIES: MOUNTING: DESCRIPTION: SIZE: HOUSING: FINISH: ACCESSORIES:	UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN 8 IN. X 12 IN. X 2 IN. NOMINAL DIE CAST ALUMINUM WHITE DIRECTIONAL ARROWS (SEE DRWGS FOR APPLICATION)			PRESCOLITE
	FINISH: ACCESSORIES: MOUNTING: DESCRIPTION: SIZE: HOUSING: FINISH:	UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN 8 IN. X 12 IN. X 2 IN. NOMINAL DIE CAST ALUMINUM WHITE		31	PRESCOLITE
2	FINISH: ACCESSORIES: MOUNTING: DESCRIPTION: SIZE: HOUSING: FINISH: ACCESSORIES: MOUNTING: DESCRIPTION: SIZE:	UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN 8 IN. X 12 IN. X 2 IN. NOMINAL DIE CAST ALUMINUM WHITE DIRECTIONAL ARROWS (SEE DRWGS FOR APPLICATION) UNIVERSAL (SEE DRAWINGS FOR APPLICATION) SURFACE FLUORESCENT UNDER CABINET 1.75 IN. MAX. DEPTH X LENGTH AS SHOWN ON PLANS	277 VOLT	31	PRESCOLITE DMX2GAW METALUX SFCL-132-120V-GL-EB81-U
	FINISH: ACCESSORIES: MOUNTING: DESCRIPTION: SIZE: HOUSING: FINISH: ACCESSORIES: MOUNTING: DESCRIPTION:	UNIVERSAL L.E.D. DOUBLE FACED EXIT SIGN 8 IN. X 12 IN. X 2 IN. NOMINAL DIE CAST ALUMINUM WHITE DIRECTIONAL ARROWS (SEE DRWGS FOR APPLICATION) UNIVERSAL (SEE DRAWINGS FOR APPLICATION) SURFACE FLUORESCENT UNDER CABINET	277 VOLT (1) F32T8	31	PRESCOLITE DMX2GAW METALUX

0	SURFACE LIGHT FIXTURE	®	T.V. OUTLET
	RECESSED LIGHT FIXTURE	TVC	T.V. CAMERA
②	RECESSED LIGHT FIXTURE ON EMERGENCY POWER	FACP	FIRE ALARM CONTROL PANEL
D -	RECESSED ADJUSTABLE LIGHT FIXTURE		FIRE ALARM SPEAKER STROBE
О	WALL MOUNTED LIGHT FIXTURE	E	FIRE ALARM CALL STATION
8	EXIT LIGHT	FV	FIRE ALARM VISUAL SIGNAL
⊗⊦	WALL MOUNTED EXIT LIGHT	C	FIRE FIGHTERS COMMUNICATION OUTLET
	SURFACE FLUORESCENT LIGHT FIXTURE	①	IONIZATION DETECTOR
oı	FLUORESCENT STRIP LIGHT FIXTURE	I	DUCT IONIZATION DETECTOR
<u> </u>	WALL MOUNTED FLUORESCENT LIGHT FIXTURE	(P)	PHOTO ELECTRIC SMOKE DETECTOR
	RECESSED FLUORESCENT LIGHT FIXTURE	©	FLOW SWITCH
	RECESSED FLUORESCENT LIGHT FIXTURE ON EMERGENCY	®	O.S. & Y. VALVE TAMPER SWITCH
$\nabla \nabla$	LIGHT TRACK WITH LIGHT FIXTURES		MAGNETIC DOOR HOLDER (WALL OR FLOOR MOUNTED)
\$	SINGLE POLE SWITCH	# >	DRAWING NOTE DESIGNATION
\$ ³	3 - WAY SWITCH	#	LIGHT FIXTURE DESIGNATION
\$4	4 - WAY SWITCH	~~~	FLEXIBLE CONDUIT
\$5	SWITCH AND PILOT LIGHT	was a second of the second of	CONDUIT CONCEALED IN WALLS, CEILING OR FLOOR
\$ K	KEY SWITCH	states entere abuse delater	CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDERFL
\$ D	DOOR SWITCH		EXISTING CONDUIT
\$17	LOW VOLTAGE SWITCH		GROUND WIRE
D	DIMMER	•	STUB UP
OS	OCCUPANCY SENSOR	•	STUB DOWN
PP	POWER PACK		STUB OUT
▼	TELEPHONE OUTLET	AHU-1	MECHANICAL EQUIPMENT DESIGNATION
₩	TELEPHONE OUTLET ABOVE COUNTER		STARTER & DISCONNECT PER SPECIFICATIONS. SEE EQUIPMENT LIST
V	COMMUNICATIONS OUTLET - FLUSH IN FLOOR, POKE THRU		
₹	COMMUNICATIONS OUTLET - ABOVE COUNTER		ABBREVIATIONS

ABBREVIATIONS ABOVE FINISHED FLOOR AMP INTERRUPTING CURRENT (SYMMETRICAL) CONTRACTOR FURNISHED CONTRACTOR INSTALLED CKT CIRCUIT CONDUIT ONLY COPPER **EMERGENCY** EXISTING ELECTRIC WATER COOLER ELECTRIC WATER HEATER **FUTURE** FIRE ALARM FULL LOAD AMPS GROUND FAULT INTERRUPTER GALVANIZED RIGID CONDUIT ISOLATED GROUND (N) NOT IN CONTRACT NIGHT LIGHT OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED

ALTERNATE LUMINAIRE SCHEDULE - SHEET EG101

POKE-THRU DEVICE

DUPLEX RECEPTACLE

FOUR PLEX RECEPTACLE

RANGE RECEPTACLE

EQUIPMENT CONNECTION

TRANSFORMER

MANUAL STARTER

CONTACTOR

PUSH BUTTON

WALL SPEAKER

MAGNETIC STARTER

COMBINATION STARTER

CEILING SPEAKER, RECESSED

MOTOR CONNECTION

DUPLEX RECEPTACLE ABOVE COUNTER

FOUR PLEX RECEPTACLE ABOVE COUNTER

SPECIAL OUTLET TO MATCH EQUIPMENT PLUG

SPECIAL OUTLET WITH NEMA CONFIGURATION

JUNCTION BOX WITH COVER PLATE

SURFACE ELECTRICAL PANELBOARD

NON-FUSED DISCONNECT SWITCH

FUSED DISCONNECT SWITCH

DUPLEX RECEPTACLE, FLUSH CEILING

PE	DESCRIPTION		LAMP(S) AND BALLASTS	INPUT (VA)	MANUFACTURER(S)
P	DESCRIPTION: SIZE: MOUNTING: HOUSING: REFLECTOR: FINISH: OTHER:	PENDANT DIRECT CYLINDER 11-1/2 OD X 10-1/8"H STEM - CUSTOM LENGTH DETERMINED IN FIELD ALUMINUM CLEAR ALZAK FLAT BLACK ELECTRONIC BALLAST, FUSED	(2) 32W TT/835/ALTO ELECTRONIC 277 VOLT	72	PRESCOLITE CFP932EB-FSDFA-277V-CR-BL OR APPROVED
Q	DESCRIPTION: SIZE: HOUSING: FINISH: LENS: OTHER:	WALL SCONCE 4" ADA X 7" WIDE X 10-5/8" HIGH "HEWITT" VERTICAL TRIM PIECE POLISHED NICKEL HAND PAINTED FAUX ALABASTER FUSED	(1) 26W QUAD/835 ALTO ELECTRONIC 277 VOLT	31	WINONA 5441D-F-277V-FAH5-PN-MODFUSE OR APPROVED

								DIS	SCONNECT				
	DESCRIPTION	V	PH	HP	KVA/W	AMPS	CIRC. #	SIZE	FUSED	STARTER	FEEDER	LOCATION	REMARKS
FC-1	FAN COIL UNIT	208	3	1			SEE PLANS	20 A	8 A	DIV 16	3#12, 1#12 GND	MEZZ	NOTE 4
FC-2	FAN COIL UNIT	208	3	1			SEE PLANS	20 A	8 A	DIV 16	3#12, 1#12 GND	MEZZ	NOTE 4
CP-1	CHILLED PUMP	120	1	1/2			SEE PLANS	20 A	NO	DIV 16	2#12, 1#12 GND	MEZZ	
CP-2	CHILLED PUMP	120	1	1/2			SEE PLANS	20 A	NO	DIV 16	2#12, 1#12 GND	MEZZ	
DF-1	DRINKING FNT	120	1				SEE PLANS	NO	NO	NO	2#12, 1#12 GND		DUPLEX
EF-1	EXHAUST FAN	120	1		212 W		SEE PLANS	THERM	NO	DIV 16	2#12, 1#12 GND		NOTE 1
EF-2	EXHAUST FAN	120	1		127 W		SEE PLANS	THERM	NO	DIV 16	2#12, 1#12 GND		NOTE 2
EF-3	EXHAUST FAN	120	1		87 W		SEE PLANS	THERM	NO	DIV 15	2#12, 1#12 GND		NOTE 3
UH	UNIT HEATER	120	1		750 W		SEE PLANS	20 A	NO	DIV 15	2#12, 1#12 GND	RECEPTION	NOTE 5

- 1. CONTROL VIA SLAVE PACK ON OCCUPANCY SENSOR, WITH LIGHTS. SET TIME DELAY ON SENSOR AT 20 MINUTES.
- 2. CONTROL VIA SEPARATE PILOT SWITCH BY DIV 16.
- 3. CONTROL VIA THERMOSTAT BY DIV 15. 4. DUAL ELEMENT TIME DELAY FUSE
- 5. CONTROLLED THROUGH BUILDING ENERGY MANAGEMENT TIMECLOCK

DR	A	WIN	1G	IND	EX

RELOCATE

TYPICAL

(X)

UNLESS NOTED OTHERWISE

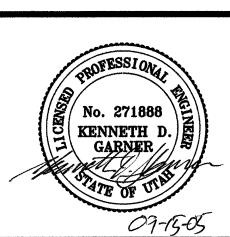
DEMOLISH/DELETE

EG101 SYMBOL SCHEDULE, NOTES & SCHEDULES
ED101 LIGHTING & POWER DEMOLITION PLANS
EP101 LEVEL P3 LIGHTING & POWER PLANS
EP104 LEVEL P5 POWER PLANS
EX501 ONE LINE DIAGRAM & PANEL SCHEDULES

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KEN GARNER CONTACT: PROJECT NO: 55030.00



MHTN PROJECT NO. 2005539 DRAWN BY: JGA CHECKED BY: KG

NO. DATE DESCRIPTION

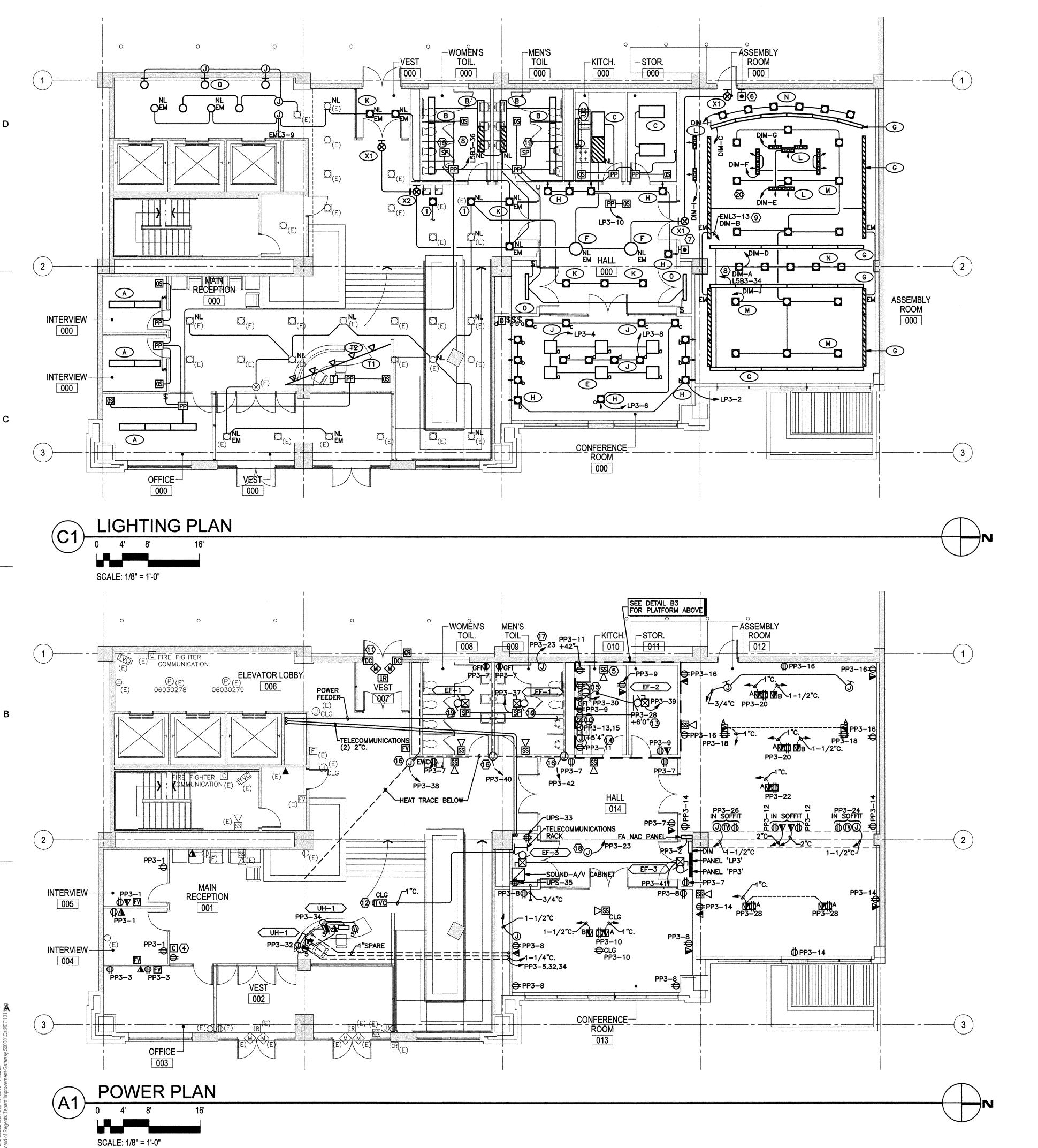
REVISIONS: DESCRIPTION

SYMBOL SCHEDULE, NOTES & SCHEDULES

SHEET NUMBER

SEPTEMBER 15, 2005

EG101



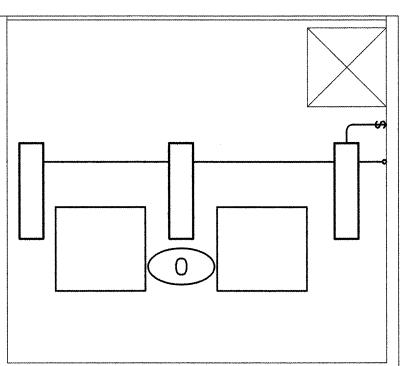
○ KEYED NOTES – SHEET EP101

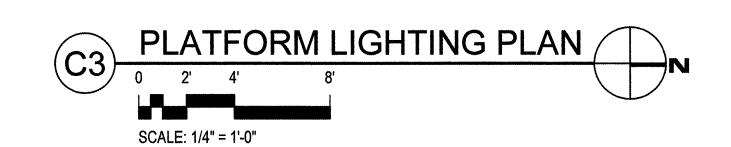
6. DIMMING MASTER CONTROL UNIT.

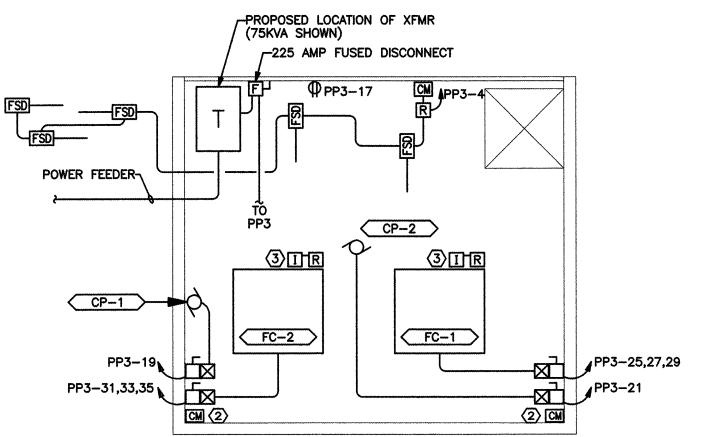
- 1. NEW LOCATION OF EXISTING DOWN LIGHT. 2. FAN SHUTDOWN FIRE ALARM RELAY. MAKE FINAL CONNECTIONS TO FAN STARTER. TEST OPERATION.
- 3. DUCT SMOKE DETECTOR IN RETURN AIR DUCT. SHUT DOWN BOTH FANS IF EITHER DETECTOR SENSES SMOKE.
- 4. NEW LOCATION EXISTING FIRE FIGHTER COMMUNICATION OUTLET. 5. NEW LOCATION EXISTING SPEAKER/STROBE.
- 7. DIMMING 5 BUTTON REMOTE. 8. PANEL LOCATED ON LEVEL 2 ELECTRICAL CLOSET, GRIDS BE AND B19. 9. EXTEND CIRCUIT FROM LEVEL P4 ELEVATOR LOBBY.
- 10. PILOT LIGHT SWITCH TO CONTROL EXHAUST FAN. 11. NEW LOCATION EXISTING CARD READER, MAGHOLDERS,
- AND "REQUEST FOR EXIT". 12. FUTURE WEBCAM LOCATION.
- 13. RECEPTACLE INSIDE CABINET FOR MICROWAVE. 14. POWER FOR HOOD LIGHT.
- 15. SWITCH TO CONTROL DISPOSAL UNDER COUNTER. 16. HEAT TRACE PROVIDED UNDER DIV. 15, WIRED BY DIV 16. LOCATED IN PARKING BELOW 17. 120 VOLT CIRCUIT FOR MOTORIZED DAMPERS. DIV. 15
- CONTROLS CONTRACTOR SHALL TRANSFORM, EXTEND CIRCUIT AS REQUIRED, CONTROLS CONTRACTOR SHALL ALSO PROVIDE RELAYS TO INTERLOCK WITH EXHAUST
- 18. 120 VOLT CIRCUIT FOR VAV BOX CONTROL POWER, DIV 15 CONTROLS CONTRACTOR SHALL TRANSFORM AND EXTEND CIRCUIT AS REQUIRED.
- 19. SLAVE PACK BY DIV. 16 TO INTERLOCK WITH EXHAUST FANS, SET OCCUPANCY SENSOR TIME DELAY AT 30
- 20. CONTRACTOR SHALL AIM FIXTURE TYPE 'L' TOWARDS FURNITURE AND SEATS ACCORDING TO ARROWS. APPROXIMATE AIMING ANGLE IS 25 DEGREES. VISIT THE SITE ONE MONTH AFTER SUBSTANTIAL COMPLETION AMD RE-AIM TO OWNERS SATISFACTION.

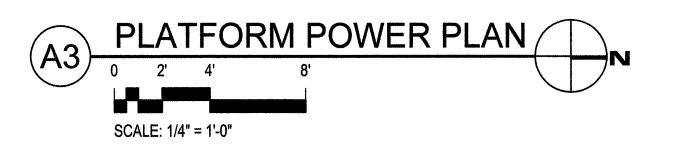
GENERAL NOTES – SHEET EP101

- A. EXISTING SLAB IS POST TENSION CONSTRUCTION.
 DIVISION 16 TO LOCATE TENDONS PRIOR TO DRILLING
- SLAB. REFER TO NOTES SHEET SF101 FOR DETAILS. B. EM REFERS TO REQUIRED EGRESS FIXTURE. OTHER FIXTURES ARE ON EMERGENCY POWER, BUT MAY NOT BE REQUIRED FOR EGRESS CODE, OR DO NOT MEET THE CODE INTENT.











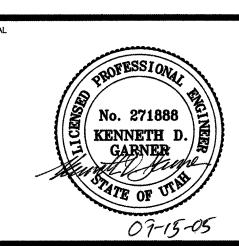
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MHTN PROJECT NO. 2005539 CHECKED BY: KG DESCRIPTION

LEVEL P3 LIGHTING & POWER PLANS

SEPTEMBER 15, 2005

EP101



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MHTN ARCHITECTS, INC.

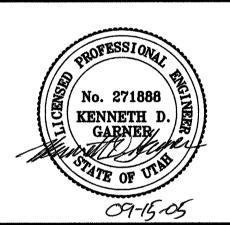
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PROJECT NO: 55030.00

BOARD OF REGENIS CONFERENCE CENTEI DFCM



MHTN PROJECT NO. 2005539

ISSUED:

NO. DATE DESCRIPTION

REVISIONS:

NO. DATE DESCRIPTION

A DESCRIPTION

LEVEL P5 POWER PLAN

SEPTEMBER 15, 2005

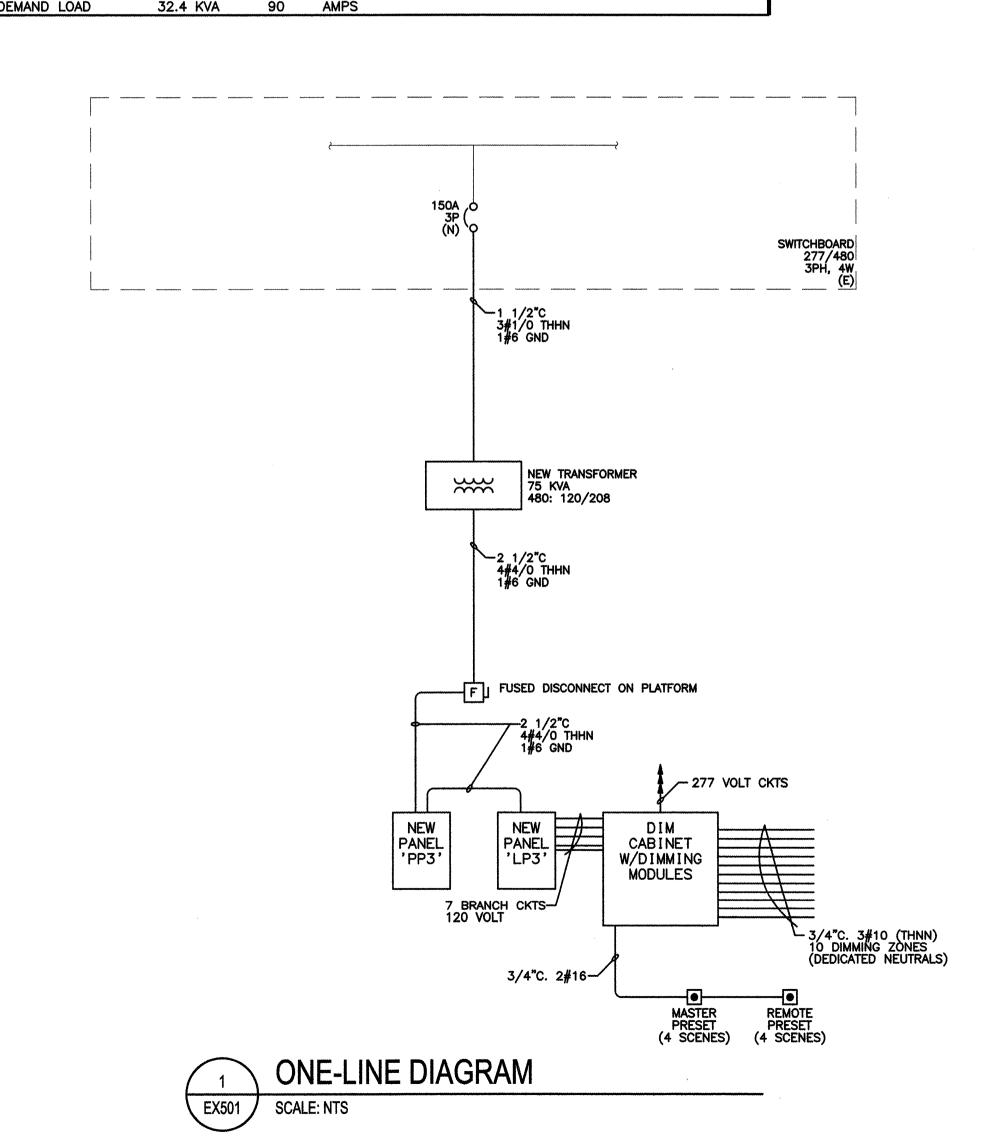
EP104

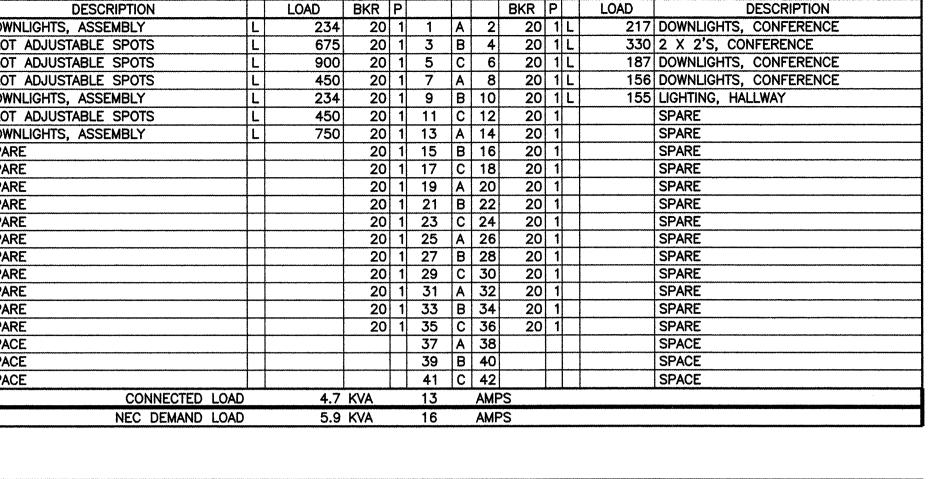
DIMMING SCI	HEDULE				
LOCATION:	CLOSET				PANEL: DIM
MOUNTING:	SURFACE				FANEL: DIM
MODULE	DESCRIPTION	VOLTAGE	LOAD	CONTROL	NOTES
Α	COVE LIGHTING, ASSEMBLY	277	1116 VA	DIMMABLE FLUORESCENT T8	
В	COVE LIGHTING, ASSEMBLY	277	868 VA	DIMMABLE FLUORESCENT T8	EMERGENCY RELAY (NOTE 1)
С	COVE LIGHTING, ASSEMBLY	277	372 VA	DIMMABLE FLUORESCENT T8	
D	DOWNLIGHTS, ASSEMBLY, MIDDLE	120	234 VA	DIMMABLE COMPACT FLUORESCENT	
E	SLOT ADJUSTABLE SPOTS	120	675 W	LOW VOLTAGE MAGNETIC	NOTE 4
F	SLOT ADJUSTABLE SPOTS	120	900 W	LOW VOLTAGE MAGNETIC	
G	SLOT ADJUSTABLE SPOTS	120	450 W	LOW VOLTAGE MAGNETIC	
Н	DOWNLIGHTS, ASSEMBLY, FRONT	120	234 VA	DIMMABLE COMPACT FLUORESCENT	
	SLOT ADJUSTABLE SPOTS, WALLWASH	120	450 W	LOW VOLTAGE MAGNETIC	
J	DOWNLIGHTS, ASSEMBLY	120	750 VA	DIMMABLE COMPACT FLUORESCENT	

- 1. PROVIDE EMERGENCY RELAY TO MONITOR NORMAL POWER CIRCUIT. UPON FAILURE, THIS ZONE SHALL IMMEDIATELY GO TO FULL BRIGHTNESS.
 2. PROVIDE A HANDHELD PROGRAMMABLE REMOTE
- 3. SEE PLANS FOR LOCATIONS OF PRESET SCENE 5 BUTTON CONTROL SWITCHES 4. LOAD REFLECTS MAXIMUM TRANSFORMER LOAD. SPECIFIED LAMPS ARE 1/3 LESS.

PANEL: LP3		120	208	3	PH	4	W	225	Α	BUS		10,000 AIC
DESCRIPTION		LOAD	BKR	Р				BKR	Р		LOAD	DESCRIPTION
DOWNLIGHTS, ASSEMBLY	L	234	20	1	1	Α	2	20	1	L	217	DOWNLIGHTS, CONFERENCE
SLOT ADJUSTABLE SPOTS	L	675	20	1	3	В	4	20	1	L	330	2 X 2'S, CONFERENCE
SLOT ADJUSTABLE SPOTS	٦	900	20	1	5	С	6	20	1	L	187	DOWNLIGHTS, CONFERENCE
SLOT ADJUSTABLE SPOTS	لـ	450	20	1	7	Α	8	20	1	L	156	DOWNLIGHTS, CONFERENCE
DOWNLIGHTS, ASSEMBLY	J	234	20	1	9	В	10	20	1	L	155	LIGHTING, HALLWAY
SLOT ADJUSTABLE SPOTS	L	450	20	1	11	С	12	20	1			SPARE
DOWNLIGHTS, ASSEMBLY	L	750	20	1	13	Α	14	20	1			SPARE
SPARE			20	1	15	В	16	20	1			SPARE
SPARE			20	1	17	С	18	20	1			SPARE
SPARE			20	1	19	Α	20	20	1			SPARE
SPARE			20	1	21	В	22	20	1			SPARE
SPARE			20	1	23	С	24	20	1			SPARE
SPARE			20	1	25	Α	26	20	1			SPARE
SPARE			20	1	27	В	28	20	1			SPARE
SPARE			20	1	29	С	30	20	1			SPARE
SPARE			20	1	31	Α	32	20	1			SPARE
SPARE			20	1	33	В	34	20	1			SPARE
SPARE			20	1	35	С	36	20	1			SPARE
SPACE					37	Α	38					SPACE
SPACE					39	В	40					SPACE
SPACE					41	С	42					SPACE
CONNECTED LOAD		4.7	KVA		13		AMP	S				
NEC DEMAND LOAD		5.9	KVA		16		AMP	S				

PANEL: PP3		120	208	3	PH	4	W	225	Α	BL	JS	10,000 AIC
DESCRIPTION		LOAD	BKR	P				BKR	Р		LOAD	DESCRIPTION
RECEPTACLES	R	720	20	1	1	Α	2	20	1	E	1000	FIRE ALARM NAC PANEL
RECEPTACLES	R	720	20	1	3	В	4	20	1	ш	500	FIRE/SMOKE DAMPERS
RECEPTACLES	R	540	20	1	5	С	6					SPARE
RECEPTACLES	R	1260	20	1	7	Α	8			R		RECEPTACLES, CONFERENCE
RECEPTACLES	R	540	20	1	9	В	10	20		R	360	RECEPTACLES, CONFERENCE
RECEPTACLES, FRIDGE	R	1360	20	1	11	С	12	20		R		PROJECTOR, ASSEMBLY
RANGE	X	2400	50	2	13	Α	14	20		R		RECEPTACLES, ASSEMBLY
,	X	2400		_	15	В	16			R		RECEPTACLES, ASSEMBLY
RECEPTACLES	R	180	20	1	17	C	18	20	_	R		FLOOR BOXES, ASSEMBLY
PUMP CP-2	М	1176	20	1	19	Α	20	20		R		FLOOR BOXES, ASSEMBLY
PUMP CP-1	М	1176	20	1	21	В	22	20		R		FLOOR BOXES, ASSEMBLY
MOTORIZED DAMPERS, VAV'S	М	500	20	1	23	C	24	20		R		PLAZMA TV, ASSEMBLY
FC-1	M	576	15	3	25	A	26	20		R		PLAZMA TV, ASSEMBLY
**	M	576		_	27	В	28	20	_	E		MICROWAVE
**	M	576		-	29	C	30	20	_	E		DISPOSAL
FC-2	M	576	15	3	31	A	32	20		E		UH-1
**	M	576			33	В	34	20		E	750	UH-1
"	M	576			35	C	36	20				SPARE KEAT TRACE
EXHAUST FAN EF-1 (2 EA)	M	500	20	1	37	A	38	20		X		MEAT TRACE
EXHAUST FAN EF-2	М	150	20	1	39	В	40	20		X		HEAT TRACE
EXHAUST FAN EF-3 (2 EA)	М	205	20	1	41	С	42	20	1	X	1500	HEAT TRACE
CONNECTED LO	AD	32.7	KVA		91		AMF	PS				
NEC DEMAND LO	AD	32.4	KVA		90		AMF	°S				





○ KEYED NOTES – SHEET EX501

1. PROVIDE 30 MILLIAMP TRIP GFCI BREAKERS.

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MHTN PROJECT NO. 2005539 NO. DATE

ONE LINE DIAGRAM & PANEL SCHEDULES

SEPTEMBER 15, 2005
SHEET NUMBER

EX501



